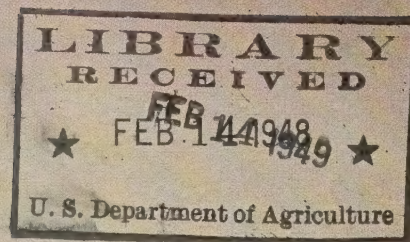


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Do not assume content reflects current scientific knowledge, policies, or practices.

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GARDEN ANNUAL

HIGH QUALITY
SEEDS • BULBS • PLANTS

Complete Garden Supplies

Stump & Walter Co.

NEW YORK 8, N. Y.

Top, 5A 3502. **California Centennial.** Propagation rights reserved. Long-stemmed, richly scented blooms of velvety crimson, borne continuously throughout a long season. Almost thornless; vigorous.

Bottom, 5A 3504. **Sleigh Bells.** Patent applied for. Constant profusion of beautiful, sweetly fragrant, white Roses. Heavy, glossy foliage, exceptionally disease resistant.

\$2 each, \$5.50 for 3, \$20 per doz.

COMBINATION OFFER: Two plants (one of each), \$3.75.

VEGETABLE SEED ASSORTMENT BD. For a garden of 1000 to 2500 sq. ft. and larger. Twenty-two proved vegetables. \$6.25.

For full Rose descriptions see page 59; Vegetable Assortment, page 9.



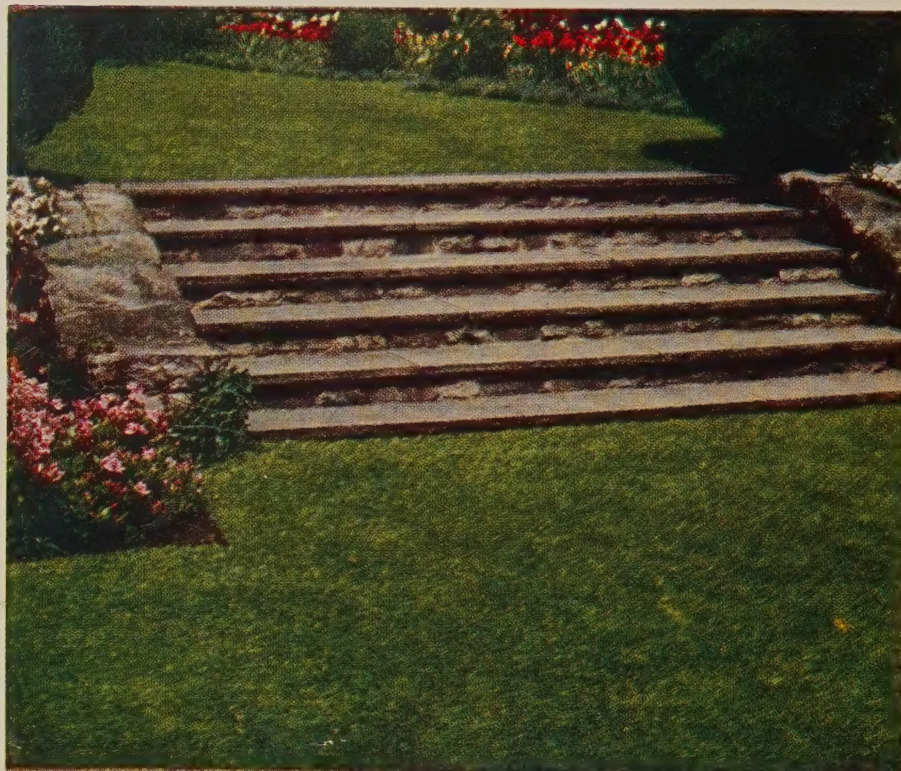
Good Grass Seed Is an Investment

Sow **Staigreen** LAWN SEED

Best on Earth for Finer Turf

HIGH PURITY • HIGH GERMINATION • TIME-TESTED FORMULA
MAXIMUM FREEDOM FROM WEEDS • CONTAINS NO CRABGRASS

Pamphlet "How to Build a Permanent Lawn" free in every package



Staigreen is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. With it many of the best lawns in the northern United States have been built. It is composed of the strongest, finest and most permanent grass varieties, including Bent. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like and emerald-green from early spring through summer to early winter. Introduced by us in 1912, it is moderate in price, but not "cheap."

Staigreen contains no Ryegrass or Timothy, but Chewing's Fescue is a valuable ingredient in it. Deep-rooted, and a robust grower in summer, it imparts a definite resistance to chinch-bug injury, drought, and summer scald. Other varieties contribute to make STAIGREEN a mixture of heavy pure seed of high quality. We recommend STAIGREEN for all lawns, new or old, except in heavy shade or the extreme South. STAIGREEN contains no white clover, but if desired in your lawn, we suggest you sow white clover with it on the basis of 1 pound to each 20 pounds of STAIGREEN.

Prices of 1A1 Staigreen Lawn Seed

Lb.....	\$1 35	10 lbs.....	\$12 75
2½ lbs.....	3 30	25 lbs.....	30 00
5 lbs.....	6 50	100 lbs.....	115 00

Includes delivery to your home

Shady Place LAWN SEED

Best for Under Trees

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in full light. So the formula may be used on both sunny and shaded areas of the lawn. In very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime* every winter at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure,* 50 pounds per 1000 square feet and 20 pounds of Emerald Grass Fertilizer;* rake smooth and sow Shady Place Lawn Seed. Repeat the program at the end of summer.

QUANTITY OF LAWN SEED TO USE

	Sowing New Lawns Lbs.	Renovating Old Lawns Lbs.
200 sq. feet... ..	1	½ to ¾
1000 sq. feet... ..	5	2½ to 4
Acre... ..	200	75 to 125

These amounts will give satisfactory results under average conditions, but if time is not important, and if your soil is good and rich, they may be reduced.

They are sometimes doubled by experienced turfmakers, especially, when a lawn is sown in the spring.

Sow during spring, autumn or winter. Avoid hot weather.

*Lime, Sawconure and Emerald Fertilizers are offered on page 116

Prices of 1A2 Shady Place Lawn Seed

Lb.....	\$1 40
2½ lbs.....	3 45
5 lbs.....	6 75
10 lbs.....	13 00
25 lbs.....	31 00
100 lbs.....	120 00

Includes delivery to your home





THIS IS OUR 51st ANNUAL CATALOGUE

At left is a wood engraving from the 1898 edition, when the Stump & Walter Co. was starting to build this business.

The Old Arts Are Not Forgotten

THOUGH many methods employed in this business have undergone vast changes since we started in 1897, it is comforting in this atomic era, to be engaged in a field of endeavor in which basic principles have been unchanged since man first learned to plant and to harvest.

Helping others to enjoy the bounties of nature in fruitful gardens and beautiful flowers is an art, if we may use the term, that has been a life's work with most people in this organization. Ever-conscious of our obligations, we have, throughout the years, stayed "down to earth"—relinquishing none of the time-tried methods and adding of the new only that which would enhance our reputation for the best in seeds, bulbs and garden supplies. To these latter items, and chosen by the same standards, we have

added our Epicure's Food Mart and our New Gift Department.

The offerings of the food and gift departments in our "Christmas Gift Story" were so well received that we feel they are entitled to some special attention, so they are conspicuous by their absence from this catalogue.

Furthermore, you'll probably be absorbed in planning your spring garden program these next few weeks and, with that in mind, we've devoted the extra space to a host of new things to add to the pleasure we are sure you derive from it.

You'll be hearing more of our gifts and foods in a Pre-Easter catalogue, now in preparation. Your copy will soon be in the mail. If you should like to have your friends receive it too, we will be most happy to mail catalogues to anyone you suggest.

EDWIN CARTER, *President, Treasurer*

WILLIAM A. SPERLING, *Vice-President*

THOMAS F. KEARNEY, *Secretary*

ALEX E. SEHLMAYER, *Vice-President*

E. REIFF, *Asst. Treasurer*

Stump & Walter Co.

132 Church Street, New York 8, N. Y.

BARCLAY 7-1110

BRANCHES:

STAMFORD, CONN.
ENGLEWOOD, N. J.

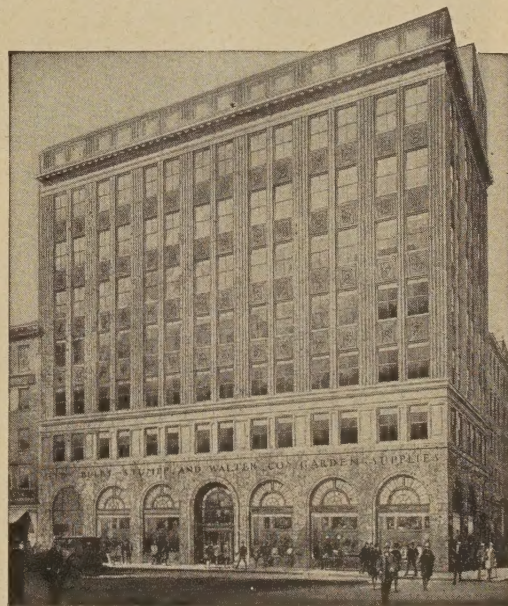
WHITE PLAINS, N. Y.
HEMPSTEAD, L. I.

NEWARK, N. J.
FARMINGDALE, L. I.

NON-WARRANTY. We, Stump & Walter Co., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we sell and will not be in any way responsible for the crop. Our liability in all instances is limited to the purchase price of the seeds, bulbs or plants.

Prices are Subject to Change

COMPLETE ORDERING INSTRUCTIONS, SHIPPING INFORMATION,
TERMS, etc., ON PAGE 120.



Best Grown, Best Known — For Better Lawns (Described on inside front cover.)

1A 1

Staigreen LAWN SEED

Lb. \$1.35, 2½ lbs. \$3.30, 5 lbs. \$6.50, 10 lbs. \$12.75, 25 lbs. \$30, 100 lbs. \$115

1A 2

Shady Place LAWN SEED

Lb. \$1.40, 2½ lbs. \$3.45, 5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120

The above are our two leading general purpose lawn formulas, while the following low-cost combinations at left are designed to meet competition.

They are reliable, of high germination, and they should make you a good lawn; the main difference is that they contain a reduced proportion of the higher-price permanent turf grasses.

For Low-cost Lawns

1A 6 Sawco High-Grade Lawn Seed. Composed of fine re-cleaned grasses with White Clover, carefully proportioned so that they succeed one another throughout summer. One pound will sow 200 square feet; 200 pounds, an acre. Lb. \$1.20, 2½ lbs. \$2.95, 5 lbs. \$5.75, 10 lbs. \$11, 25 lbs. \$26.50, 100 lbs. \$100.

1A 7 Greenwood Formula. For large lawns and parks. Produces turf of medium fineness if mown frequently. Contains seeds of strong germination, producing a permanent turf. Contains no Clover. Use one pound per 10 by 20 feet for new lawns; 200 pound per acre. Lb. \$1, 5 lbs. \$4.85, 10 lbs. \$9.50, 25 lbs. \$22.50, 100 lbs. \$85.

1A 8 Contractors' Grass Formula

Supplied in large quantities for Army camps, housing projects, highway embankments, etc. Good-quality mixture. Allow 100 pounds or more per acre. 100 lbs. \$67.50, 1000 lbs. \$650.

Short crops on all important fine turf grass seeds have resulted in higher cost of the varieties that make up our mixtures. We prefer not to cheapen our formulas by using grasses less suitable for good permanent lawn turf, but are maintaining our proven formulas.

Even at these increased prices our Lawn Seeds represent only a very small part of the cost of producing a lawn, but a most important one. Most State Laws require a list of the ingredients on your package of Lawn Seed—See page 5. We ask that you look well into the formula, the varieties used, their purity and the weed-seed content.



For Terraces, Hillside, and Embankments

Turf on Slopes

1A 5 Terrace Sod Grass Seed. A mixture of grasses that will produce strong, spreading roots, will withstand drought and sun, and will thrive on shallow soils. If the slope is gentle, add 1 inch of top-soil, broadcast Emerald Grass Fertilizer at the rate of 50 pounds to 1000 square feet. Rake, and sow Terrace Sod Formula, 10 pounds to 1000 square feet. If slope is severe, proceed as above, except to sow along with the grass seeds some ordinary seed oats—1 pound of seed and 1 quart of oats to each 100 square feet. Mow the oats as soon as they are long enough for a mower to cut them, and keep them cut. When applying soil, plant-foods, or seed to sloping land, do not use them evenly, but place more at the top of the slope than lower down; this is an allowance for rain washing the materials to lower levels. Lb. \$1.40, 2½ lbs. \$3.45, 5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120.

For renovating, use half the quantities recommended for the several formulas above. For quick results, use double these amounts.



Seashore Formula for Areas under the Influence of Salt Spray

Turf by the Sea

1A 9 Seashore Lawn Grass Seed. The varieties are deep-rooting and they resist salt spray and high winds. The soil in the neighborhood of the sea is frequently poor; a good preparation is to apply Sawconure at the rate of 100 pounds to each 1000 square feet, and on sandy land humus should also be used, allowing ½ ton per 1000 square feet. Use two pounds of seed on 20 by 20 feet. Lb. \$1.25, 2½ lbs. \$3, 5 lbs. \$5.85, 10 lbs. \$11.50, 25 lbs. \$27, 100 lbs. \$105.

Turf in the City

1A 10 Urban Formula. Resists the harmful effects of shade, lack of air-circulation, gasoline fumes, hard wear, and other handicaps to which a lawn in the city is subject. Contains White Clover and Ryegrass, along with other desirable varieties. Makes a handsome turf, deep green, but somewhat coarse. For new lawns use 5 to 10 pounds per 1000 square feet. Lb. \$1.25, 2½ lbs. \$3, 5 lbs. \$5.85, 10 lbs. \$11.50, 25 lbs. \$27, 100 lbs. \$105.

2 Grass Seeds

Our Lawn Mixtures are correctly compounded, and are as free from weed seeds as it is possible to make them. We deliver them free anywhere in the U. S.

STUMPP & WALTER CO.

Here's How to Get a Better Lawn—

FOLLOW THE S. & W. CO. FORMULA FOR PROVED RESULTS!

Use LAWNSPREAD. It Improves Lawns—Grubproofs Soil

A complete top-dressing in dry powder form—mixture of Plant-foods, Grass Seeds, Insecticides and Fungicides including Chlordane.

Lawnspread will not burn the grass, nor will it injure birds, cats, or dogs.



The secret of the beautiful turf on golf courses is the frequent application of soil, humus, plant-foods, insecticides, and fungicides; and pure seed is sown. When you broadcast Lawnspread you achieve in one operation what these experts do in several.

LAWNSPREAD contains screened, sterile soil-materials, approved grass-foods, and high-quality grass seeds; in the mixture, also, are ingredients to poison earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in Lawnspread, and it is almost odorless. Lawnspread may be used wherever grass fertilizers would be applied but remember, it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in bags containing one-half bushel and weighing 25 pounds. In a dry, cool place, Lawnspread may be stored up to four weeks without impairing the germination of the grass seeds contained in it. Use it promptly, however, if high humidity makes the material damp and causes the quicker-growing seeds to start sprouting.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the turf with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crabgrass, grub-infested areas, or on brown-patch-infested lawns.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at intervals of a month until a perfect turf has been obtained.

1A 18 LAWNSPREAD
Contains mixed seeds for open and shaded areas
1 to 10 bags, \$3.00 per bag
11 to 25 bags, 2.85 per bag
Over 25 bags, 2.75 per bag

1A 19 SUPER-LAWN SPREAD
Contains Coos County Bent Seeds for home putting-greens
1 to 10 bags, \$3.50 per bag
11 to 25 bags, 3.35 per bag
Over 25 bags, 3.20 per bag

1A 20 "Lawnspread with Sawco-Japy"
(Milky Disease Spore Dust). For control of Japanese Beetles, add 50 cts. per bag to above prices.



Broadcast Lawnspread and rub in with the back of a rake.

New Jersey Lawn Seed Formulas

These are prepared according to the most recent formulas published by the New Jersey Agricultural Experiment Station. They list only those grass varieties known to be suitable for producing excellent turf, and that may be used with every confidence anywhere in the United States, north of the Mason and Dixon line. Although the Experiment Station has established minimum percentages for purity and germination in the individual seeds, our customers will not be surprised to learn that our seeds used in these formulas run consistently and markedly higher than the Station's specifications. We request that this be borne in mind when prices are being considered.

- 1A 11 Formula No. 1 (with Clover).** Standard for lawns on fair to good soils. Lb. \$1.30, 2½ lbs. \$3.20, 5 lbs. \$6.25, 10 lbs. \$12.25, 25 lbs. \$29, 100 lbs. \$110.
- 1A 12 Formula No. 1a (without Clover).** Same basis as above, but without Clover. Lb. \$1.30, 2½ lbs. \$3.20, 5 lbs. \$6.25, 10 lbs. \$12.25, 25 lbs. \$29, 100 lbs. \$110.
- 1A 13 Formula No. 2.** For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. \$1.45, 2½ lbs. \$3.60, 5 lbs. \$7, 10 lbs. \$13.50, 25 lbs. \$32.50, 100 lbs. \$125.

- 1A 14 Formula No. 3.** For shaded areas. Lb. \$1.40, 2½ lbs. \$3.45, 5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120.
- 1A 15 Formula No. 4.** For poor, clayey, shaley, or sandy soils; and for lawns on terraces or steeply sloping land. Lb. \$1.40, 2½ lbs. \$3.45, 5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120.
- 1A 16 Formula No. 4a.** Similar to No. 4 but without Clover. Lb. \$1.40, 2½ lbs. \$3.45, 5 lbs. \$6.75, 10 lbs. \$13, 25 lbs. \$31, 100 lbs. \$120.

Chemical Weed-Killers

Removal of weeds by Hand-weeding is recommended for small lawns. On large areas, or where weeds are numerous, Chemical Weed-Killers may be tried. Three points should be observed:

- (1). Treat only a small portion of the lawn at a time, and let each treatment be an experiment. Start with a weaker allowance than recommended. If grass is injured, use a weaker solution. If weeds are unaffected, try a slightly stronger one.
- (2). Chemical Weed-Killers are not generally advised for Bent lawns; however, some users have had success by making two half-strength applications a week apart.
- (3). Avoid using in the vicinity of shrubs, trees, vegetables or flowers. They may be harmed.

Any of the following materials may be applied in a fine mist through a sprayer:

NEW 2,4-D COMPOUNDS FOR DANDELIONS, PLANTAINS, MOUSE-EAR, ETC.

- 9A 7659 TUFOR.** Four ounces in 16 gallons of water for 3250 sq. ft. 4 ozs. \$1, pt. \$2, qt. \$3.50, gal. \$8.75.
- 9A 7668 WEEDONE.** Use one-quart to 25 gallons of water; enough for 5000 sq. ft. Eight quarts in 200 gallons for an acre. 6 ozs. 75 cts., qt. \$2.50, gal. \$6.50, 5 gals. \$21.25.
- 9A 7669 WEEDUST.** A dry powder to dust on scattered weeds. 12-oz. can 75 cts.

FOR CRABGRASS

- 9A 7649 TAT-C-LECT PMAS.** Use 4 teaspoons per gallon of water over 100 square feet. Best results will be obtained by spraying during early stages of crabgrass growth (late May and June). 8-oz. bottle 85 cts., 16-oz. bottle \$1.50, gal. \$9.75.

Too much of any of the above may injure the lawn; too little may have no effect on weeds. Follow manufacturers' directions; then make trial applications. If grass is scorched it usually recovers; we regret we can assume **NO RESPONSIBILITY** for an injured lawn.

The Experiment Station publishes the Formulas, but cannot endorse the mixtures. As always, you must depend upon the reputation of the supplier.



- 1A 17 TAILOR-MADE LAWN.** Contains Seed, Fertilizer, Hormones. Seed and plant material pre-planted in a sheet of cellulose paper. Supplied in roll form, each roll 20 feet long by 2½ feet wide. Merely roll out to plant. Cover lightly with soil, and water. Cut to any size required for patching. Ideal for slopes, terraces and patching. \$2 per roll, postpaid.

Stumpp & Walter is a Leading Supplier of Grass for Sports Turf

GOLF

Putting-Green Formulas

Use 10 pounds to each 1000 square feet for new greens

1A 21 Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent Grasses and Red Fescue. Lb. \$1.75, 5 lbs. \$8.25, 25 lbs. \$36, 100 lbs. \$135.

1A 22 Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. Lb. \$1.85, 5 lbs. \$8.75, 25 lbs. \$38.50, 100 lbs. \$145.

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

1A 23 Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 25 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. Lb. \$1.20, 5 lbs. \$5.25, 25 lbs. \$23.50, 100 lbs. \$85.

1A 24 Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Chewing's Fescue, Kentucky Bluegrass, and Superfine Redtop. These are the grasses preferred by the golfer on fairways, and will encourage play on your course. Lb. \$1.40, 5 lbs. \$6.75, 25 lbs. \$28.50, 100 lbs. \$105.

1A 25 Formula for Problem Fairways. Resists chinch-bug, drought, heat, and poor soil. 5 lbs. \$7, 25 lbs. \$31, 100 lbs. \$115.

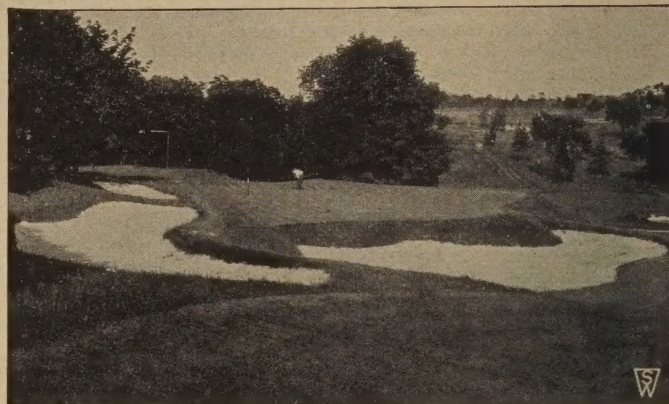
1A 26 Formula for Irrigated Fairways. Gives wonderful results where it is possible to keep the soil moist under all conditions. 5 lbs. \$7.50, 25 lbs. \$32.50, 100 lbs. \$120.

1A 27 Divot Formula for Repairing Damage

A blend consisting of (a) permanent grasses suitable for sports fields, fairways and tees, with (b) seeds of the quickest growing plants of a temporary nature. The latter grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. Lb. \$1.55, 5 lbs. \$7, 25 lbs. \$31, 100 lbs. \$115.



The Bowl at Yale University, New Haven, Conn. Stumpp & Walter Co.'s Grass Seeds used; also on the Golf Course and Sports Fields.



Stumpp & Walter Co.'s Grass Seeds have been used for the construction and maintenance of many a Country Club

1A 28 Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedlings. Lb. \$1.35, 5 lbs. \$6, 25 lbs. \$27.50, 100 lbs. \$105.

1A 29 Rough Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedlings. Lb. \$1, 5 lbs. \$4.50, 25 lbs. \$20, 100 lbs. \$70.

Tennis

1A 30 Sawco Lawn Tennis Formula. Grasses which may be mown closely, rolled continuously, and which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. Lb. \$1.60, 5 lbs. \$7.50, 25 lbs. \$33.50, 100 lbs. \$125.

Football

1A 31 Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 10 pounds per 2000 square feet when building new fields. 5 lbs. \$6.75, 25 lbs. \$28.50, 100 lbs. \$105.

1A 35 Sawco Athletic Field Formula. Has a smaller percentage of the permanent grasses; nevertheless, it is a reliable mixture for low budgets. 25 lbs. \$23.50, 100 lbs. \$85.

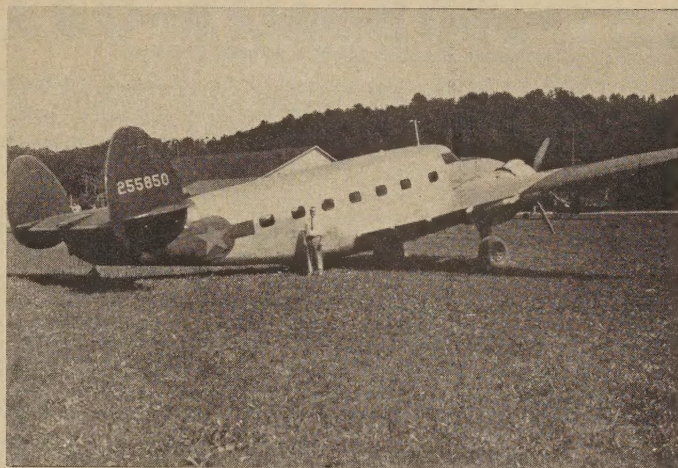
Lawn Bowling

1A 32 Bowling Green Formula. A mixture of fine Bent Grasses. For new greens, the standard dimensions of which are 120 by 120 feet, sow at the rate of 5 pounds per 1000 square feet. Lb. \$2.25, 5 lbs. \$10.50, 25 lbs. \$47.50.

QUANTITY OF SEED TO USE

	Normal lawns on good soil; golf fairways, football and polo fields.	Lawns in unusual situations; golf greens, tees, bunkers; tennis-courts and bowling greens.	Army camps, airports, race-tracks; rough on a golf course.
	Lbs.	Lbs.	Lbs.
200 sq. ft.	1	1½-2	—
1000 sq. ft.	5	7½-10	—
Acre.	200	250	100
Allow one-half above quantities when renovating. Use double for turf needed quickly			

Free, Expert Turf Consultation for Airports



Both small planes and large airliners are safe on grass turf.

As a result of years of experimenting and actual experience in developing turf for airports, Stumpp & Walter has developed special formulas that contribute not only to ease and safety of operation, but present pleasing panoramas to airport patrons. Our turf experts are at the service of airport managers, to make specific recommendations where necessary. Upon request, this service is given without obligation. Write, phone or wire and our representative will be glad to tell you how you may seed for a well-matted, yielding, wear-resistant turf at perfectly feasible costs.

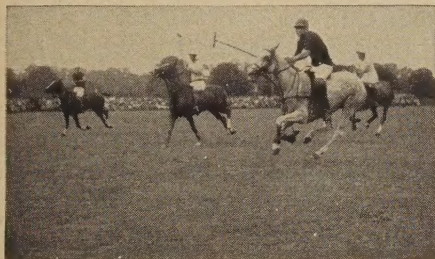
A good grass field is safe because in bad weather, as well as good, the surface is even and firm; and by using grass varieties that have tough wiry leaves and very deep roots, a sod can be obtained that will not readily develop ruts and mud-holes.

In dry weather, dust is absent from a grass field. There are no stones to be caught up by the slipstream to annoy passengers and damage wing surfaces, no grit to settle on motors.

Distinctive marking may be helpful to the pilot on an all-grass field; and if wished, the field may have runways of dark green against a lighter gray-green for the remainder of the area. When this marking is desired, use our Superfine Quality seeds for the runways and our Fine Quality seeds for the remainder of the field. The effect may be enhanced by applying Special Grass Fertilizer to the runways before seeding, and by top-dressing them every spring and fall; it also helps if the runways are mown more frequently than the out-field.

1A 33 Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. 100 lbs. \$85, 1000 lbs. \$800.

1A 34 Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. 100 lbs. \$70, 1000 lbs. \$650.



Fast action, Bostwick Polo Field, Westbury, L. I.

Turf for Racetracks and Polo Fields

An improved grass track! Thick, springy, deep green in color, and tough—sod which will stand up after hard use. To produce it, and to repair damage caused by wear or drought, sow our Racetrack Formula seeds. On a polo field, the relatively smaller area permits more detailed care, and justifies the use of our Hurlingham Polo Formula.

1A 36 Racetrack Formula. Produces a turf which is tough, thick, dark green and vigorous. 100 lbs. \$75, 1000 lbs. \$700.

1A 37 Hurlingham Polo Formula. Mixture used on the well-known English field, adapted to American conditions. 5 lbs. \$6.75, 25 lbs. \$28.50, 100 lbs. \$110.

8A 7402 SPECIAL GRASS FERTILIZER 8-6-2. A superior grass food at a price low enough to justify its extended use. It contains both chemical and organic materials of high quality; hence it is both quick to show results and lasting in its effect. Compounded especially for us by the New Jersey Fertilizer Co. with no filler or make-weight. Use ½ ton or more per acre for new grass; ¼ ton per acre for top-dressing existing turf. In lots of one ton or more. Ton \$70.00.

Turf in the South

1A 38 Southern Lawn Grass Seed From central Virginia south, the ordinary northern grasses will not thrive permanently. We offer a special formula which we find satisfactory. We advise that two seedings be made, one in spring and one in fall, allowing at each, one pound to every 20 by 20 feet. **Lb. \$1.10, 2½ lbs. \$2.65, 5 lbs. \$5.25, 10 lbs. \$10, 25 lbs. \$23.50, 100 lbs. \$90.**

1A 83 Bermuda Grass Seed. A superior strain for southern lawns and pastures. **Lb. \$1.75, 10 lbs. \$16.50, 25 lbs. \$38.50.**

1A 84 Hulled Bermuda Seed. **Lb. \$2, 10 lbs. \$19, 25 lbs. \$46.50.**

1A 85 Carpet Grass Seed. For southern lawns or pastures in moist soil. **Lb. \$1.35, 10 lbs. \$12.50, 25 lbs. \$30.**

1A 86 FLAWN (*Zoysia matrella*). New wonder grass for the South. Thrives on heat. Fine vivid green leaf, dwarf and requires little cutting. Chinch-bugs usually avoid it. For shady and open lawns. May be used for bright green summer lawns in the North. Propagated from runners. Fills in, in one year.

One bushel of Flawn sod, shredded, plants 100 to 200 sq. ft. of lawn. **\$7.50 per bushel, f.o.b. Miami, Fla.**

Turf Grasses and Their Cost

The law in most States requires that an analysis tag be placed on all packages of lawn seeds. Please read it.

Kentucky Bluegrass, Chewing's Fescue, and Bent Grasses are the principal permanent grasses in northern lawns. Shade Bluegrass is good in both shade and sunny mixtures.

These varieties should **PREDOMINATE** in a good mixture. Unfortunately they are expensive. Our mixtures may appear to cost more, but the use of the best seed is proper economy, saving much weeding and renovating expense later.

Redtop is a semi-permanent nurse grass and a moderate percentage is advisable in most mixtures. Perennial Ryegrass is semi-permanent too, and another good nurse grass, particularly in shade formulas and for spring sowing; but it should form only a moderate percentage of the mixture. White Clover, where desired, may form a very small proportion of the grass mixture. Common Ryegrass is an annual, and should only be considered as a nurse grass or for temporary lawns. We do not recommend Timothy for lawns. Meadow Fescue should not be confused with those very desirable Turf Fescues, Chewing's, Red and Creeping. It is coarse and not suitable for good lawns.

Common Ryegrass, Timothy and Meadow Fescue are quick to start, and cheap. A lawn sown with them may get a head start the first few weeks, but eventually it will be surpassed in permanence and good color by lawns sown with better seed. Good seed is still the lowest cost item in producing turf.

"Straight Grass Seeds" Of Known Quality—Maximum Purity and Highest Germination

Clovers, Hay-Pasture Mixtures, and other Farm Seeds are offered on pages 92 to 94
For quantities in excess to those quoted below write for special delivered prices.

Agrostis Varieties or Bents

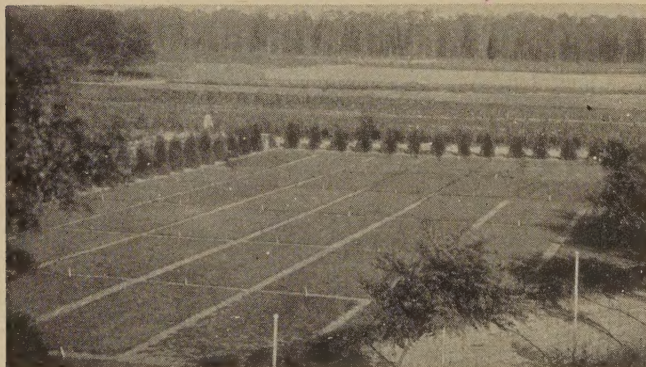
One pound contains about 4,000,000 live seeds

- 1A 50 **TRIPLE A BENT.** The best type of *Agrostis tenuis*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$2.50, 10 lbs. \$22.50, 25 lbs. \$52.50.
- 1A 51 **SEASIDE BENT** (*Agrostis palustris*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$2.25, 10 lbs. \$20, 25 lbs. \$47.50.
- 1A 52 **RHODE ISLAND BENT or COLONIAL BENT** (*Agrostis tenuis*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$2.10, 10 lbs. \$18.50, 25 lbs. \$43.50.
- 1A 53 **HIGHLAND BENT.** Somewhat coarser than Colonial and the other Bents. Blends in well with other Lawn grasses. Resists drought better than others and does well in southern areas. Lb. \$2, 10 lbs. \$17.50, 25 lbs. \$42.50.
- 1A 54 **ASTORIA BENT** (*Agrostis tenuis* var.). Produces a fine matted turf. Develops strong underground runners, making it a valuable soil-binder. Lb. \$2.35, 10 lbs. \$21, 25 lbs. \$50.
- 1A 55 **VELVET BENT** (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Lb. \$5, 10 lbs. \$45.
- REDTOP** (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. In very short supply this year.
- | | | | |
|--|------|---------|---------|
| 1A 56 Superfine Sample. For special-ists' use | Lb. | 10 lbs. | 25 lbs. |
| 1A 57 Fine Recleaned Seed. High germination..... | 1 35 | 12 50 | 28 50 |
| 1A 58 Unhulled | 1 00 | 9 00 | 21 50 |

Poa Varieties

One pound contains about 2,000,000 live seeds

- 1A 59 **BIRDGRASS or SHADE BLUEGRASS** (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. \$2.25, 10 lbs. \$20, 25 lbs. \$47.50.
- KENTUCKY BLUEGRASS** (*Poa pratensis*; June Grass). Used for all purposes in the northern states.
- | | | | |
|---|------|---------|---------|
| 1A 60 Superfine Sample. For Special-ists' use..... | Lb. | 10 lbs. | 25 lbs. |
| 1A 61 Fine Recleaned Seed. High germination..... | 1 65 | \$15 00 | \$35 00 |
| | 1 45 | 13 00 | 30 00 |
- 1A 62 **CANADA BLUEGRASS** (*Poa compressa*). Similar to Kentucky Bluegrass but of a less pleasing color. Lb. \$1.35, 10 lbs. \$12, 25 lbs. \$27.50.



Experimental Turf Plots at the Stumpp & Walter Co.'s testing grounds at Farmingdale, Long Island. Here research work was carried on for many years.

Prices on This Page, except where noted, Include Delivery to Any Point in the United States

Due to short crops, many grasses are in small supply and markets higher and firm at time of publishing this catalogue
Prices are subject to change without notice

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

- 1A 63 **CHEWING'S FESCUE** (*Festuca rubra commutata*). Produces a mat-like turf of a pleasing green color. The leaves are fine, needle-like, and bristly. Resistant to heat, drought, and hard wear. Splendid for shaded areas and sandy soils. Imported seed. Lb. \$1.40, 10 lbs. \$12.50, 25 lbs. \$28.50.
- 1A 64 **CHEWING'S FESCUE.** U. S. grown seed. High purity and germination. Lb. \$1.35, 10 lbs. \$12, 25 lbs. \$27.50.
- 1A 65 **CREeping RED FESCUE** (*Festuca rubra genuina*). For fine turf. Good for shade, embankments, between flagstones. Lb. \$1.40, 10 lbs. \$12.50, 25 lbs. \$28.50.
- 1A 66 **CREeping RED FESCUE, ILLAHEE STRAIN.** A distinct strain. It represents the toughest and most desirable type of Creeping Fescue. Suitable for shade or sunny lawns. Highly resistant to disease. Blends in well with other turf-producing grasses. We use it in many of our better grass formulas. Lb. \$1.45, 10 lbs. \$13, 25 lbs. \$31.
- 1A 67 **MEADOW FESCUE** (*Festuca elatior pratensis*). A flat, broad-leaved grass. Tall; grows quickly. Lb. 65 cts., 10 lbs. \$5.50, 25 lbs. \$12.
- 1A 67 **TALL FESCUE, ALTA STRAIN** (*Festuca elatior*). Mostly used for pasture; does well on moist heavy land. Deep rooted. Suitable for roadsides, lawns and athletic fields if not mowed too close. Lb. \$1.10, 10 lbs. \$10, 25 lbs. \$23.50.

Ryegrasses

One pound contains about 300,000 live seeds

- 1A 68 **PERENNIAL RYEGRASS** (*Lolium perenne*). A quick-growing, tall grass, sometimes included in lawn mixtures for speed. Valuable hay and pasture variety. Lb. 55 cts., 10 lbs. \$4.75, 25 lbs. \$10.
- 1A 69 **PACEY'S PERENNIAL RYEGRASS** (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfier type of English Ryegrass. Lb. 60 cts., 10 lbs. \$5.25, 25 lbs. \$11.
- 1A 70 **ITALIAN RYEGRASS** (*Lolium multiflorum*). A coarse, tall grass; mammoth producer of hay. Lb. 50 cts., 10 lbs. \$4.50, 25 lbs. \$9.50.
- 1A 71 **DOMESTIC RYEGRASS.** Much used as a temporary winter turf in the South, also as a nurse grass or temporary lawn in the North. Lb. 45 cts., 10 lbs. \$4, 25 lbs. \$9.

Sundry Varieties

- 1A 72 **SMOOTH BROMEGRASS** (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 85 cts., 10 lbs. \$8, 25 lbs. \$18.50.
- 1A 73 **CRESTED WHEATGRASS** (*Agropyron cristatum*). A hardy, drought-resistant variety, native to the dry plains of Siberia. A coarse type, growing profusely in cold weather. Lb. \$1, 10 lbs. \$8.50, 25 lbs. \$20.
- 1A 74 **LINCOLN BROMEGRASS.** Slow-growing perennial. Fine for hay and pasture, and a good companion to Alfalfa. Lb. \$1, 10 lbs. \$8.50, 25 lbs. \$20.
- 1A 75 **DALLAS GRASS** (*Paspalum dilatatum*). A perennial hay or pasture grass for the South and tropics. Lb. \$1.25, 10 lbs. \$11.50, 25 lbs. \$27.50.
- 1A 76 **ORCHARD GRASS** (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 60 cts., 10 lbs. \$5, 25 lbs. \$11.
- 1A 77 **REED CANARY GRASS** (*Pbalaris arundinacea*). For land which is continuously wet. Sow 10 lbs. per acre. Lb. \$1.25, 10 lbs. \$11.50, 25 lbs. \$27.50.
- 1A 78 **TALL OATGRASS** (*Arrhenatherum elatius*). Lb. \$1, 10 lbs. \$9, 25 lbs. \$21.
- 1A 79 **TIMOTHY** (*Pbleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.00.
- 1A 80 **WHITE CLOVER** (*Trifolium repens*). Used for lawns and pasture. Oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.85, 10 lbs. \$17.50, 25 lbs. \$40.
- 1A 81 **WILD WHITE CLOVER.** More desirable type for lawns and hardier. The plant is smaller and dwarfier, with fewer blossoms. (Imported seed.) Oz. 35 cts., 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.
- 1A 82 **YARROW** (*Achillea Millefolium*). Drought-resisting plant with delicate fern-like leaves. Sometimes used for lawns. Lb. \$2.50, 10 lbs. \$24, 25 lbs. \$55.

For Bermuda Grass, Carpet Grass and Flawn (*Zoysia*), see preceding page.



LIVING GARDENS FOR CHILDREN

Quick easy-to-grow varieties

CHILDREN'S VEGETABLE GARDEN 2A 999

6 varieties 50 cts.

Beans, Bountiful	Lettuce, Black-seeded Simpson
Beet, Early Wonder	Parsley, Champion Moss Curled
Carrot, Chantenay Selected	Radish, Early Scarlet Globe

CHILDREN'S FLOWER GARDEN 3A 2986

6 varieties 50 cts.

Alyssum, Sweet	Bachelor Button, Blue Boy
Cosmos, Mixed Beauty (Dwarf)	Nasturtium, Dwarf, Mixed
Marigold, Red Head (Dwarf)	Zinnia, Lilliput, Pastel Shades

CHILDREN'S COMBINATION GARDEN 3A 2987

Complete Flower and Vegetable Collections described above
Both for 75 cts.

LIVING SEED COLLECTIONS

The Living Flower and Vegetable collections thousands of home gardeners will plant this year. High-quality Stumpp & Walter Co. seeds—an abundance of healthful vegetables, flowers of vigorous beauty—offered at money-saving combination prices.

LIVING Vegetable Collection 2A 990

1 pkt. each of 12 varieties (value \$1.85) \$1.50

For 500 to 1000 square feet.

Beans, Bountiful	Parsley, Evergreen
Beans, Fordhook 242 Lima	Pea, Little Marvel
Beet, Improved Wonder	Radish, Crimson Crisp
Carrot, Rubicore	Spinach, Emerald Standing
Corn, Honeycross	Swiss Chard, Green Lyon
Lettuce, New York 12	Turnip, Purple-Top White Globe

LIVING Vegetable Collection 2A 991

15 varieties (value \$6.25) \$5.50

For 1000 to 2500 square feet.

1 lb. Beans, Bountiful	1 lb. Pea, Little Marvel
1 lb. Beans, Fordhook 242 Lima	1 oz. Radish, Crimson Crisp
1 oz. Beet, Improved Wonder	1 oz. Spinach, Emerald Standing
1 oz. Carrot, Rubicore	1 oz. Swiss Chard, Green Lyon
1 1/2 lb. Corn, Honeycross	1 oz. Turnip, Purple-Top White Globe
Pkt. Cucumber, Staysgreen	Pkt. Muskmelon, Bender's Surprise
1 oz. Lettuce, New York 12	Pkt. Squash, Acorn (Table Queen)
Pkt. Parsley, Evergreen	

LIVING Vegetable Collection 2A 992

For starting indoors.

Seven pkts. (value \$1.40) \$1.00

One pkt. each: BROCCOLI, CABBAGE, CAULIFLOWER, CELERY, EGGPLANT, PEPPER, and TOMATO.

LIVING Annual Flowers 3A 2985

18 most popular annuals, 1 pkt. each, \$1.50

Antirrhinum majus, Mixed	Larkspur, Blue Spire
Alyssum, Little Gem	Marigold, Dwarf Guinea Gold
Aster, Midseason, Gt. Azure-Blue	Mignonette, Allen's Defiance
Calendula, Orange King	Nasturtium, Large-flowered, Dwarf
Candytuft, Hyacinth-flowered, White	Phlox, Tall, Mixed
Cornflower, Blue Boy	Salpiglossis, Tall, Mixed
Cosmos, Sensation, Single, Mixed	Scabiosa, Orchid Shades, Mixed
Gypsophila elegans alba	Shirley Poppy, Single, Mixed
Hunnemannia (Yellow Tulip Poppy)	Zinnia, Dahlia-flowered, Mixed

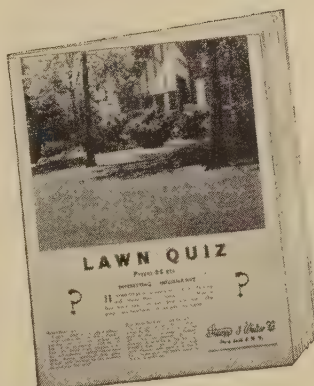
HOW TO MAKE A LAWN

Complete Instructions Are Enclosed in All Stumpp & Walter Grass Seed Containers

Step-by-step directions on soil preparation, seed selection and sowing, and helpful information on the care of your lawn after growth has started. Tells also how to combat insect pests and the more common lawn ailments. It's a free S. & W. Co. service—comes with all our lawn seeds.

Stumpp & Walter Co. LAWN QUIZ

25¢



A 32-page color-printed booklet that is practically a textbook on grass growing. Fully illustrated, it goes into exhaustive detail on every phase of lawn care—answers just about every question that could possibly be asked on the subject.

Order your Lawn Quiz by number: 10 A 8492

Plant Vitamin-filled SNAP BEANS for Summer-long Enjoyment

½ lb. equals about ½ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.

Allow 1 pound of seed to each 100 feet of row. Place the seeds 2 to 3 inches apart in drills and about 2 inches deep. The rows should be about 1½ feet apart. Cultivate frequently around your Beans, but always when plants and land are dry. Thin so that Bean plants stand 4 or 5 inches apart. Plant a 10- to 25-foot row every two weeks, starting around May 1 and continuing until August 10.

Snap Beans begin to yield about 8 weeks after sowing. A 25-foot row should yield 25 pounds or more of Beans (pods).

Green-Pod Bush Beans

2A 116 Ranger. ★ All-America Bronze Medal Winner for 1948. Produces an abundance of exceptionally fine-quality stringless round pods. Disease-resistant. Plant is of spreading half-runner type. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 120 Supergreen. Winner, Bronze Medal, All-America Seed Selections for 1948. A medium to late, high-quality variety; long slender, round-section pods, absolutely stringless and of superior flavor. Disease-resistant; 15 inches high. Pkt. 20 cts., ½lb. 45 cts., lb. 80 cts., 5 lbs. \$4.

2A 114 Longgreen. New. Winner for 1946 of the All-America Seed Trials. Pods 1 inch longer than other modern sorts, round, meaty, with no fiber or strings; their flavor is the best. The large plant seems hardier and a more certain cropper. Pkt. 20 cts., ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 113 Keystonian. ★ Winner of the All-America Award for 1944 as the best all-purpose Bean to date. Ideal for home use, canning, freezing, shipping and market gardening. The pods are long, straight, stringless, fiberless, dark green and of delicious quality. Ready in 8 weeks. Pkt. 20 cts., ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 115 Plentiful. Similar to Bountiful, but thicker, longer, straighter, darker, and more nearly stringless. Matures in 50 days and is resistant to rust. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$2.85.

2A 117 Streamliner. Robust, resisting cool weather; the abundant, flattish pods average 7 inches in length, are stringless. You may let the seeds ripen; they are white and make excellent Shell Beans. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 121 Tendergreen. ★ Handsome, 6-inch round-podded Beans, without strings and of melting flavor. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 110 Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than 4½ inches long. Bountiful is resistant to rust. Pkt. 15 cts., ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.

2A 119 Stringless Green-Pod. ★ Splendid first-early round-podded sort. Entirely stringless; 5 inches long, slightly curved. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 112 Giant Stringless Green-Pod. ★ Favorite market variety. Pods are an inch longer than Stringless Green-Pod. ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 118 Stringless Black Valentine. ★ A heavy yielder of stringless, green, pencil-shaped, thick Beans of finest flavor. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 111 Dwarf Horticultural. Pods medium length, slightly curved, splashed red on yellow. The green-shelled Beans are fine flavored. ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

Wax-Pod Bush Beans

2A 154 Puregold. ★ All-America Bronze Medal Winner for 1948. Pods nearly 6 inches long, slender, pencil-round, stringless, and with wonderful flavor. Resists mosaic disease. 58 days. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 152 Cherokee Wax. ★ All-America Winner for 1948. Splendid new golden yellow variety with stringless oval-section pods. Hardy, vigorous and medium-early; prolific, meaty and of very fine flavor. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 156 Sure-Crop Stringless Wax. Large, sturdy plant bearing an abundance of handsome, golden yellow pods which are quite stringless. Resistant to rust. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 151 Brittle Wax. ★ The earliest Wax Bean; also a great cropper. Pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, and brittle. Pkt. 15 cts., ½lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 150 Black Wax. ★ Round pods; early; good. Pkt. 15 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 153 Golden Wax. Large, flat-section pods, stringless, tender and of excellent flavor. ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

★ Kinds so marked suitable for Quick Freezing

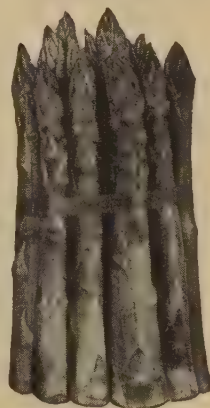
Asparagus Roots

A plot 8 feet by 50 feet will take 100 roots; enough for an ordinary family. Work under manure, or Humus, and General Garden Fertilizer, and dig a trench about 1 foot deep. Lay the plants 18 inches apart, spreading the roots outward and downward; and cover about 6 inches. As the plants grow, gradually fill the trench to the surface. Between the rows allow 18 inches, and let the plants grow two full seasons before cutting.

2A 109 Paradise. ★ Fine new variety. Heavy producer of very large stalks. 2-yr. roots, \$2 for 25, \$7.50 per 100, \$70 per 1000.

Mary Washington. ★ Rust-resistant and vigorous. Colossal dark green shoots with a purple overtone. 2A 107 Large 2-yr. crowns, \$1.50 for 25, \$5.50 per 100, \$50 per 1000. 2A 108 3-yr. crowns for forcing, \$2 for 25, \$7.50 per 100, \$70 per 1000.

Purchaser pays transportation beyond 50 miles on Roots.



Mary Washington Asparagus

Asparagus Seed

One ounce sows 100 feet of drill; transplant to 12 inches. Takes 3 years.

2A 106 Mary Washington. ★ Seed, pkt. 15 cts., oz. 35 cts., ½lb. 85 cts., lb. \$2.25.

For Your Convenience
You may now order your Seeds, Bulbs and Plants by number. And you can omit the quantity, if you wish—merely give the number and value. For example, 2A110—40 cts. is clear to us that we may send you ½lb. Bountiful Beans.



The longer-podded Longgreen Bean

Refugee Beans for Eating Fresh or for Canning

Sow in summer for late crop

2A 137 Stringless Refugee. ★ A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use for pickling or for canning. ½lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

Broccoli

Cooks in twenty minutes, without unpleasant cooking odor. Sow indoors in March, and plant out 24 inches apart. One ounce produces 3000 plants. Sow in July for autumn.

A 25-foot row should give you a total of 3 bushels of healthful food.

2A 240 Italian Market. ★ Bluish green. First produces a large king or center head, followed by a good yield of smaller heads from lateral shoots. It will bear for many weeks. Pkt. 25 cts., ¼oz. 55 cts., ½oz. 90 cts., oz. \$1.50.

2A 241 Broccoli-Rape (Non-heading). Delicious cooking green, popular with Italian growers. Plant is ready when first yellow bud breaks. Pkt. 15 cts., ¼oz. 55 cts., oz. 90 cts.

GLOBE ARTICHOKE (Cynara Scolymus). One ounce produces 500 plants. The flower buds are eaten boiled or raw. Sow indoors, and set out in May in 3-foot rows with 2 to 3 feet between the plants. Mulch over winter in the North. Usually bears second year.

2A 101 Large Green. Pkt. 25 cts., ½oz. 75 cts., oz. \$1.25.

2A 102 JERUSALEM ARTICHOKE (Helianthus tuberosus). Potato-like tubers. Plant in 3-foot rows, a foot apart in the row; cultivate occasionally. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$7.50, 100 lbs. \$25.

Purchaser pays transportation beyond 50 miles on Roots.

The Vitamins and Minerals

ASPARAGUS. Furnishes vitamin B₁; also phosphorus and copper.

BEANS. They supply vitamins A and G; also phosphorus and copper.

BROCCOLI. Outstanding as a supplier of vitamin A, and an excellent one of vitamin G. High in calcium, phosphorus and copper.

COLLECTIONS OF VEGETABLE SEEDS ARE DESCRIBED ON PAGES 9 AND 14



2A 674.

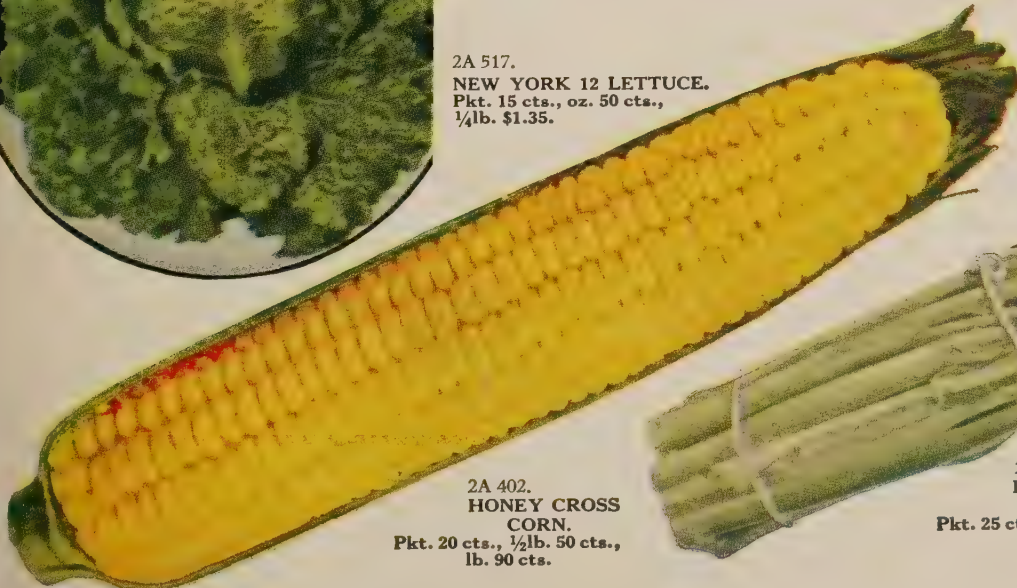
LITTLE MARVEL PEA.
Pkt. 10 cts., 1/2 lb. 30 cts.,
lb. 50 cts.



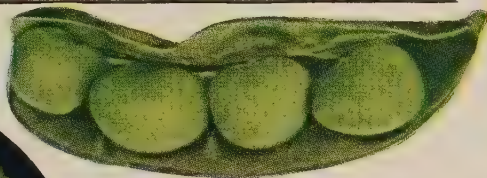
2A 110. **BOUNTIFUL BUSH BEANS.** Pkt. 15 cts., 1/2 lb. 40 cts., lb. 70 cts.



2A 517.
NEW YORK 12 LETTUCE.
Pkt. 15 cts., oz. 50 cts.,
1/4 lb. \$1.35.



2A 402.
HONEY CROSS CORN.
Pkt. 20 cts., 1/2 lb. 50 cts.,
lb. 90 cts.



2A 172. **FORDHOOK 242 BUSH LIMA**
Pkt. 20 cts., 1/2 lb. 45 cts., lb. 85 cts.

2A 848. **MARGLOBE TOMATO.**
Pkt. 15 cts., 1/2 oz. 60 cts., oz. \$1.



2A 240.
ITALIAN MARKET BROCCOLI.
Pkt. 25 cts., 1/4 oz. 55 cts., 1/2 oz. 90 cts.

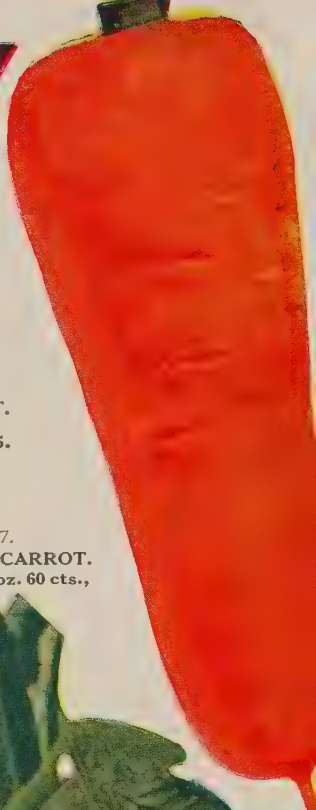
2A 741.
CRIMSON CRISP RADISH.
Pkt. 15 cts.,
oz. 40 cts.,
1/4 lb. \$1.



2A 208.
IMPROVED WONDER BEET.
Pkt. 20 cts., oz.
45 cts., 1/4 lb. \$1.25.



2A 317.
RUBICORE CARROT.
Pkt. 15 cts., oz. 60 cts.,
1/4 lb. \$1.65.



LIVING VEGETABLE COLLECTIONS

For Smart Young Homemakers Outdoor Planting

2A 990 **COLLECTION A**
12 pkts. **\$1.50**
Value \$1.85
500-1000 sq. ft.

2A 991 **COLLECTION B**
15 varieties **\$5.50**
Value \$6.25
1000-2500 sq. ft. plns

Beans, Bountiful.....	Pkt.	Lb.
Beans, Fordhook 242 Lima.....	Pkt.	Lb.
Beet, Improved Wonder.....	Pkt.	Oz.
Carrot, Rubicore.....	Pkt.	Oz.
Corn, Honey Cross.....	Pkt.	1/4 lb.
Cucumber, Staysgreen*.....	Pkt.	Pkt.
Lettuce, New York 12.....	Pkt.	Oz.
Parsley, Evergreen*.....	Pkt.	Pkt.
Pea, Little Marvel.....	Pkt.	Lb.
Radish, Crimson Crisp.....	Pkt.	Oz.
Spinach, Emerald Standing*.....	Pkt.	Oz.
Swiss Chard, Green Lyon*.....	Pkt.	Oz.
Turnip, Purple-Top White Globe*.....	Pkt.	Oz.
Muskmelon, Bender's Surprise*.....	Pkt.	Pkt.
Squash, Acorn (Table Queen)*.....	Pkt.	Pkt.

2A 992. **COLLECTION D: For starting indoors.**
Seven pkts. **\$1.**

One each Broccoli, Cabbage,* Cauliflower,* Celery,*
Eggplant,* Pepper,* Tomato. Value \$1.40

For both Indoor and Outdoor starting:

ASSORTMENT AD: A and D together. \$2.25.

ASSORTMENT BD: B and D together. \$6.25.

*Described or pictured elsewhere in this Catalogue

Home-Grown Salads

ARE VITAMIN FULL AND MORE DELICIOUS



*Serve Them
Garden Fresh!*

SEEDS of Modern Salad Vegetables

*Plant early and you'll enjoy them
from May to November.*

Cultural Directions on each packet

- 2A 206. **BEET, Good for All.** Brilliant color and delicious flavor for summer salads. And if you've yet to try the delicious boiled tops, with bacon, a real treat awaits you. This is a particularly fine variety. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.
- 2A 263. **CABBAGE, Golden Acre.** Smart housewives contrive to introduce this protective food frequently. Once you've discovered the proper application of oil and vinegar and herbs, it will be a top favorite with all the family. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 80 cts.
- 2A 312. **CARROT, Greater Chantenay.** A tender, flavorful, quick-growing addition to early summer salad bowls. Plenty of size too, should the family like them buttered. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35.
- 2A 351. **CAULIFLOWER, Best of All.** Break up the tender young heads for piquant bits of flavor in your favorite salad or cole slaw. Pkt. 35 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.
- 2A 361. **CELERY, Golden Plume.** To serve fresh cut or diced in your cole slaw or salad. Crisp and tender, rich nutty flavor. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.
- 2A 295. **CHINESE CABBAGE, Pe-Tsai.** Long slender heads of tenderness with its own distinctive flavor. Excellent in salads with tomatoes and green peppers. Sow early and eat it in June. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.
- 2A 461. **CUCUMBER, Straight 8.** "Cool as a Cucumber" means that you'll serve these sliced when summer's heat is upon us. Excellent texture in this variety gives you a tasty base for any number of warm-weather dishes. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

2A993 SALAD GARDEN COLLECTION

14 PACKETS—one each of all the vegetables on this page. \$2.45 value for . . . **\$2**

- 2A 495. **ENDIVE, Green Curled Rose-ribbed.** You'll like the bright green, crinkly leaves for garnishing a salad, and for fine quality you'll tie up the heads to blanch a creamy white. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.
- 2A 513. **LETTUCE, Imperial 44.** An Iceberg variety that will furnish a profusion of firm heads for your table right through the hot days of summer. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.
- 2A 582. **MUSTARD, White London.** The seedlings are a delectable addition to sandwiches—piquant and enjoyable in salads. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.
- 2A 623. **ONION, Riverside Sweet Spanish.** A large variety, sweet yet authoritative enough to give proper zest to other salad vegetables. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. 95 cts.
- 2A 700. **PEPPER, California Wonder.** Rich red garnish for early summer salads. Large fruits are sweet and juicy. Pkt. 20 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.15.
- 2A 756. **RADISH, White Icicle.** Fast growing, crisp, mild and appetizing—you'll serve them any number of ways. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts.
- 2A 852. **TOMATO, Rutgers.** Most versatile of garden vegetables, the big flavorful Rutgers will add greatly to warm-weather meals. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25.

Where to Look for Minerals and Vitamins

Beets: Copper. Tops for A, B, C and D, Calcium and Iron.
Cabbage: C, Calcium, some Phosphorus. **Carrot:** A (for eyesight).
Cauliflower: B₁ (Thiamin) C and G, Phosphorus. **Celery:** Calcium, Phosphorus. **Chinese Cabbage:** Similar to Cabbage. **Cucumber:** G. **Endive:** A, G (Riboflavin), Calcium, Iron. **Lettuce:** A, C. **Onion:** B₁. **Pepper:** A, G. **Radish:** B₁, G. **Tomato:** A, B, G.

We Offer Stout Cedar BEAN-POLES for climbing sorts at \$3.50 per dozen. They last many years.

POLE SNAP BEANS

One pound plants 200 hills.

The flavor and quality of these types of Bean are very high. Grow them if you have the room. Erect stout poles 3 feet apart; sow 8 Beans in a circle around the base after danger of frost has passed; thin to 5 plants per pole. Or you may grow them against a wire fence, allowing 1 pound per 100 feet.

2A 141 Old Homestead (Green Kentucky Wonder). ★ The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Begins to yield in ten weeks, and thereafter is a continuous bearer. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 142 Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 143 Yard-Long Asparagus. A remarkable Bean, yielding narrow rounded pods of enormous length. The quality is excellent. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts.

Beans for Growing Under Glass (DWARF)

These are of interest only to the professional gardener anxious to produce a crop out of season in a greenhouse.

2A 131 The Prince. New sort, quick to mature and cropping enormously. The pods are without strings, meaty, of fine flavor, 11 to 12 inches long. Pkt. 25 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1, 5 lbs. \$4.75.

2A 132 Wonder. Of fine color and refined flavor. Round, 6-inch pods are borne in great abundance. $\frac{1}{2}$ lb. 45 cts., lb. 85 cts., 5 lbs. \$4.10.

2A 130 Masterpiece. Strong, quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. $\frac{1}{2}$ lb. 45 cts., lb. 80 cts., 5 lbs. \$3.75.

Beans for Baked Beans

Grow until fully ripened; then shell. Pods are inedible.

2A 162 White Marrow. The large straight pods each contain half-dozen large white Beans, ready in about 4 months. Excellent flavor. Height $1\frac{1}{2}$ feet. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 160 Pea or Navy. Large, spreading plant with strong runners. The white "Boston" Beans are small and oval. Harvested 3 months after seeding. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 161 Red Kidney. Beans are red. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

GIFT DEPARTMENT EPICURE FOODS

These Departments issue a special Catalogue. We gladly mail it on request.



Pole Snap Beans

Early Giant Lima Beans

Broad (Fava) Beans

Differ from American types in that they do best in cold weather; light frost does them no harm, and they should be planted early. Select strong land and spray continuously against aphid and blight. Not recommended for the home-garden.

2A 135 English Windsor. Heavy pods are produced in pairs with 3 or 4 large Beans in each. Tender and delicious. $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 191 Soy Beans for Sprouting

Used in Chinese cooking. lb. 25 cts. (postpaid 45 cts.); 5 lbs. \$1 (postpaid \$1.35).

How to Grow Lima Beans

Don't waste your seed by sowing Lima Beans before all danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 2 inches deep, putting the Beans 3 inches apart in the row, "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put 6 seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil. Surplus stock may be ripened on the vines, the Beans dried and kept for winter.

Lima Beans take almost the whole season to grow. You cannot plant them for succession, except Early Giant. A good idea is to first sow an exceptionally quick crop, like radish, mustard or spinach, dig when harvested and then sow Limas.

One pound of seed plants 50 to 100 feet of drill or 50 hills.

Should you notice your plants being spotted or spoiled by blight or fungus (and this applies to Snap Beans also), pull out each affected plant and burn it; this does not often happen. But you are very likely to find damage by the Mexican bean beetle. In the soil around the plants you may see the mature beetle, like a spotted, rather large yellow lady bug. Under the leaves are clusters of the orange-yellow eggs, with the yellow, spiny larvæ that hatch from them. The leaves will be eaten into lacy designs, the larvæ eating the leaves, but leaving the veins. Hurry and dust your plants with Hortex, or spray them, especially the under side of the leaves, with Rotene.

A 25-foot row or ten hills should supply 25 pounds or more of Lima Beans (pods). They furnish vitamins B₁, C and G; also phosphorus, copper and some iron.

★Kinds so marked suitable for
QUICK FREEZING

DWARF LIMA BEANS

One pound will plant 50 to 100 feet of drill. Yield in from 12 to 14 weeks.

2A 177 Triumph. ★ 1949 All-America Silver Medal. Developed by Drs. Magruder and Wester of U. S. Plant Industry. Thick-seeded Baby Lima type. Has more quality and flavor than other heavy-yielding small-seeded types. Green seeds give it a fresher appearance in canning and freezing. Pkt. 25 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1, 5 lbs. \$4.75.

2A 176 Peerless. ★ Ideal for canning and freezing; good for the garden also, especially in the East. Clusters of rather short pods, holding from 2 to 3 medium-size green Beans that are unexcelled for flavor. Yields heavily even under adverse weather conditions. Honorable Mention, All-America Seed Trials for 1948. Pkt. 25 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1, 5 lbs. \$4.75.

2A 172 Fordhook 242. ★ An All-America Seed-Trials Winner. Like Fordhook, the Beans are thick, fleshy, of medium size—the true "potato" type. Yields are outstanding, and first pickings of Two-forty-two are very large. Quality is high. Pkt. 20 cts., $\frac{1}{2}$ lb. 45 cts., lb. 85 cts., 5 lbs. \$3.75.

2A 173 Fordhook. ★ A dwarf form of the Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty and very tender. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 170 Baby Potato. ★ Beans are somewhat smaller than Fordhook. The plant is smaller also, so it is interesting to those whose garden space is limited. Flavor is especially good. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 171 Early Giant. ★ The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 near New York. The flavor is refined, and the luscious Beans, which are large, thick, and flat, are produced in remarkable quantity. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 175 Improved Bush. A fine standard Bush Lima; pods are large, well filled with large Beans. A great producer; growth is vigorous; the blossom-bearing stalks are thrown well out of the foliage, and the Beans are ready for picking very early. $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 174 Henderson Bush. Pods and Beans are small, but plentiful. Pkt. 15 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

POLE LIMA BEANS

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

2A 183 Green-seeded. Vigorous, runners producing many broad pods closely filled with large Beans, many of the pods containing four. Nearer to having every Bean perfect than others. The distinctive green tint is retained in the dry state. Finer-flavored and more tender than white-seeded Beans. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 180 Challenger or Potato Improved. Early. A small thick Bean of excellent flavor. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 184 King of the Garden. Beans flat, large, $\frac{1}{2}$ lb. 35 cts., lb. 65 cts., 5 lbs. \$3.

2A 182 Ford's Mammoth. Pods often 9 inches long; Beans flat and large. $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

2A 181 Early Leviathan. Early variety with pods in clusters. Pkt. 15 cts., $\frac{1}{2}$ lb. 40 cts., lb. 70 cts., 5 lbs. \$3.25.

RED BEETS



Improved Wonder Beet

One ounce will plant 100 feet of drill and should yield 100 pounds or more of roots. Allow 5 to 6 pounds of seed per acre. Ready in from 8 to 11 weeks.

THEY ARE EASY TO GROW and pay well for the space they occupy. Seed may be sown $\frac{1}{2}$ inch deep at two-week intervals from early spring to mid-July. The ground should be spaded well and deep, placing rows about 12 inches apart. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 3 inches between the plants so as to give ample room for the proper development of the roots. Thinnings make excellent boiled greens. Beets are best for pulling when about 2 inches in size.

A few seeds of Radish sown in with the Beets will come through first, marking clearly the row and showing you where to start hoeing. Pull Radishes when they are mature; your crop of Beets will not be reduced by this two-kinds-in-one-row scheme.

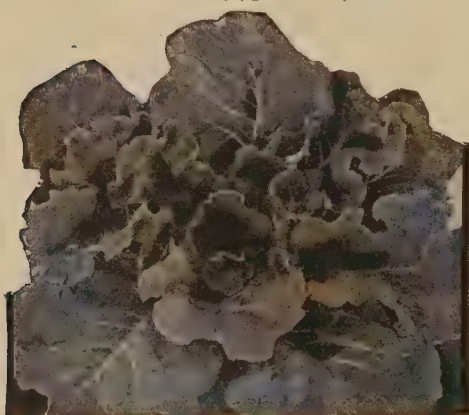
Beets may be kept for winter use in boxes of sand in a cool cellar, or in a pit outdoors. Or they may be preserved or pickled.

Beets are nourishing and are an excellent source of copper. The tops or greens are especially valuable, supplying vitamins A, B₁, C and G, along with calcium and iron.

2A 208 Improved Wonder. This selection was given a Gold Medal rating by the All-American Selections Committee in 1934. Has all of the fine qualities of Early Wonder, but has, in addition, a fine darker-colored flesh, exceptionally tender and sweet. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

2A 204 Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

2A 206 Good for All or Baby Detroit. Fine flavor, not earthy or woody. Uniform in shape, regular in size and color. A perfect globe. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.



Georgia Collards

2A 387 GEORGIA COLLARDS. A leafy plant with a large loose head which is served boiled and tastes like cabbage. Sow early in spring or early in autumn. Outstanding source of vitamin C; good one of A and G; fair source of B₁. High in calcium and phosphorus, with some iron. One ounce will produce about 3000 plants. About 5 weeks from seed to cutting. A 25-foot row should give you a total of 2½ bushels of produce. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.25.

2A 200 Crimson Globe. In about 70 days from planting, one-fourth of the Beets will be ready for table use. They do not all mature at the same time, thereby lengthening the period of perfection and making it an ideal home-garden sort. Flesh bright red with light purple zones. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

2A 207 Green-Top Bunching. An early type, the bulbs of which reach a diameter of 3 inches in about seven weeks, are slightly flattened and of excellent table quality, free of objectionable fiber. The flesh is almost solid blood-red, while the foliage is a definite gray-green. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

2A 203 Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 20 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.55, lb. \$3.75.

2A 202 Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. Very sweet. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

2A 201 Crosby's Original Egyptian. The smooth, dark red roots have light green foliage, speckled with red. The flesh is carmine with white zones, very tender and of sweet quality. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

2A 205 Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

2A 210 Winter Keeper. A distinct and a very fine strain of main-crop Beet. Excellent flavor, well preserved during winter storage in a cellar or pit. Almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. Pkt. 20 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Long Type

2A 209 Long Blood. (Out of Ground.) Late variety, over a foot long. Five inches grows above ground. Deep red, sweet, and of high quality. It keeps into the winter; its size and shape make it economical. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

SUGAR BEET and COW BEET (Manges)

Palatable, easily stored, readily digested and nutritious animal food. Roots are produced in large quantities and may be stored into winter in root-cellars or outdoor pits. Sow in drills 30 inches apart, thin to 12 inches. 6 to 8 pounds per acre in spring.

2A 232 Klein Wanzleben Sugar Beet. High sugar content. Oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2, 10 lbs. \$18.50.

2A 233 Mammoth Long Red Mangel. Roots are enormous, uniform in shape, smooth and clean, with small top-growth. May grow 3 feet long. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

2A 231 Half-Sugar Rose Mangel. Long root with pink skin and white flesh. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

2A 230 Golden Tankard Mangel. Good yellow kind. $\frac{1}{4}$ lb. 60 cts., lb. \$1.75, 10 lbs. \$16.

BRUSSELS SPROUTS

Excellent source of vitamins B₁ and C; fair one of G. High in phosphorus and copper.

One ounce will produce about 3000 plants; 30 to 50 plants suffice for an average family. Yields within 14 weeks of sowing seed.

Sow thinly outdoors in late spring; when 4 inches high, plant out 2 feet or more apart. Keep the soil well cultivated all summer, and in October begin gathering the sprouts.

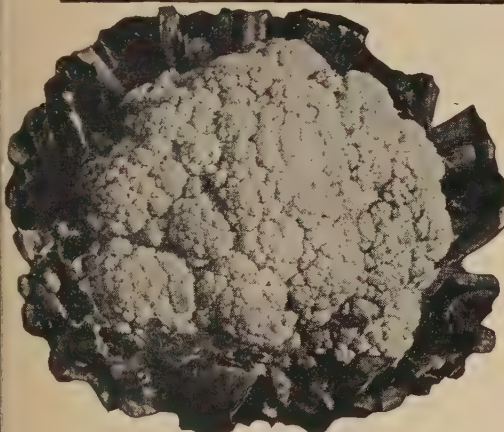
A 25-foot row should give you 20 quarts or more.

2A 250 Favorite. Half-dwarf, thickly covered with tight sprouts. Pkt. 25 cts., $\frac{1}{4}$ oz. 55 cts., $\frac{1}{2}$ oz. 90 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$5.

2A 300 CARDOON. Grown like celery and served like asparagus. Sow in May, and transplant seedlings 3 feet apart. Three weeks before using, the heads are tied, straw is piled against them, and soil is heaped against the straw to blanch them. Pkt. 25 cts.



Good for All Beets



Best of All Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants. From 10 to 14 weeks from seed to harvest.

Outstanding source of vitamin B₁; good one of C; fair source of G. High in phosphorus.

Sow 1 inch deep in February or March in a hot-bed and transplant in April. Have the plants 2 feet apart in rows 2½ feet from each other. Rich soil is essential. Outdoors sow the first week in May and transplant in July. When the flower is the size of an egg, tie the leaves together, or bend them to form a cover. For wintering under glass sow in September; transplant into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe.

2A 351 Best of All. ★ The easiest to grow.

The plant is dwarf, stocky, and erect. Fewer leaves enable it to be planted closer than usual. In suitable soil, every plant forms a large head. Pkt. 35 cts., ½ oz. \$1, ¼ oz. \$1.75, ½ oz. \$3.25, oz. \$6.

2A 352 Early Snowball (Snowdrift). Wonderful, sure-heading, dwarf variety; outer leaves are small, hence it is particularly adapted to growing under glass, also for spring planting outdoors. Is, too, an excellent autumn sort. Pkt. 30 cts., ½ oz. 80 cts., ¼ oz. \$1.50, ½ oz. \$2.75, oz. \$5.

2A 353 Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 25 cts., ½ oz. 65 cts., ¼ oz. \$1.25, ½ oz. \$2.25, oz. \$4.

2A 350 Autumn Giant. Larger and slower-growing than the above varieties; used in warmer climates. Pkt. 20 cts., ½ oz. 45 cts., ¼ oz. 85 cts., ½ oz. \$1.50, oz. \$2.85.

2A 354 Italian Purple. Head purple, cooking to green; in flavor similar but superior to broccoli and cauliflower. Quick growing and disease-resistant. May be sown under glass and transplanted, or outdoors in June for an autumn crop. Pkt. 35 cts., ½ oz. 85 cts., ¼ oz. \$1.65, ½ oz. \$3, oz. \$5.50.



Golden Acre Cabbage

CABBAGES

When served raw or not cooked over-long, Cabbage is a valuable food. An excellent source of vitamin C, and an outstanding one of calcium, with some phosphorus.

Sow early kinds 1 inch deep indoors in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Early sorts may be planted in rows 2½ feet apart, with 18 inches between plants in the row; late kinds should stand 2½ feet each way. To be well grown Cabbages require a deep, rich, loamy soil but should it be too rich some late kinds may show signs of bursting. If this occurs, push the plants over to one side and so check their growth.

Certain diseases, particularly "Yellows," where the young plant becomes stunted and eventually dies, affect Cabbages; sickly specimens should be pulled up and destroyed.

One ounce will produce about 3000 plants

Early and Midseason Sorts

Yield in from 10 to 12 weeks

2A 263 Golden Acre. A small but very fine variety. Early, and with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., ½ oz. 45 cts., oz. 80 cts., ¼ lb. \$2.25.

2A 264 Improved Early Jersey Wakefield. One of the best early Cabbages. The heads are hard, solid, and pointed, with just a few outside leaves. Pkt. 10 cts., ½ oz. 35 cts., oz. 65 cts., ¼ lb. \$1.75.

2A 260 Charleston or Large-Type Wakefield. Has the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., ½ oz. 35 cts., oz. 65 cts., ¼ lb. \$1.75.

2A 261 Copenhagen Market. The stem is short, the head round and solid. Heaviest of the extra-early varieties, and if left until mature, frequently weighs 8 to 10 pounds. Leaves small, compact and close to the head, so it will stand close planting. The inside is fine-grained and tender. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

2A 265 Succession. A splendid second-early, round-headed sort. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$2.

2A 266 Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Specially bred to resist disease. Pkt. 20 cts., ½ oz. 50 cts., oz. 90 cts., ¼ lb. \$2.50.

2A 290 Famous Early Conical. An extremely quick-maturing variety, cone-shaped, and very distinct. Ideal for private gardens, requiring less space than most kinds, and heads sooner. Pkt. 20 cts., ½ oz. 75 cts., oz. \$1.30, ¼ lb. \$3.75.

Late Cabbage

Yield in from 14 to 16 weeks

2A 270 Danish Ballhead. A large Cabbage. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 15 cts., ½ oz. 45 cts., oz. 80 cts., ¼ lb. \$2.25.

2A 272 Large Late Flat Dutch. Fine for winter use. One of the most reliable sorts; produces immense heads of the finest quality. Splendid keeper. Pkt. 10 cts., ½ oz. 30 cts., oz. 55 cts., ¼ lb. \$1.65.

2A 271 Danish Drumhead. Similar to Danish Ballhead (above) but earlier. The round heads are very solid, fine-grained and sweet. Pkt. 15 cts., ½ oz. 45 cts., oz. 80 cts., ¼ lb. \$2.25.

★Kinds so marked suitable for
QUICK FREEZING



American Drumhead Savoy Cabbage

Savoy Cabbage

Yield in from 12 to 13 weeks

2A 280 American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped. In table quality they resemble the better garden Cabbages. Pkt. 15 cts., ½ oz. 45 cts., oz. 85 cts., ¼ lb. \$2.40.

Red Cabbage

Yield in from 11 to 15 weeks

2A 285 Early Red. The earliest red; 25 days quicker than Mammoth Rock. Plants are smaller and compact, the heads medium size, round, very hard. Deep red. Pkt. 20 cts., ½ oz. 50 cts., oz. 90 cts., ¼ lb. \$2.50.

2A 286 Mammoth Rock Red. The largest Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 15 cts., ½ oz. 45 cts., oz. 80 cts., ¼ lb. \$2.25.

Chinese or Celery Cabbage

A desirable vegetable, nearer to mustard than Cabbage, palatable and healthful. A cool-weather crop; sow very early in spring; better still, in August for late autumn cropping.

2A 296 Wong Bok. A very compact plant, short and broad. Needs less space in the garden. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$1.75.

2A 295 Pe-Tsai. (Chihli Strain.) Looks like a long Cos Lettuce. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts., ¼ lb. \$1.75.

2A 297 Michihli. A sure-heading Chihli type. Uniform, trimmed heads are well blanching, firm, tender and fine flavored. Pkt. 25 cts., ½ oz. 65 cts., oz. \$1.10.



Chinese Cabbage: Wong Bok (left) and Pe-Tsai. (Outer leaves have been removed.)

CARROTS

Well known to be a good source of vitamin A, the eyesight vitamin.

They are most palatable and nutritious when eaten raw. Very easy to grow, and highly profitable from the point of view of utilizing garden space; so attractive that many do not hesitate to edge their flower gardens with them. They are particularly free from attacks by insects and diseases.

Sow from April to July in drills $\frac{1}{2}$ inch deep and 15 inches apart; thin out to 2 inches.

Radish seed may be sown along with Carrot to give you two crops from the same row, and the Carrots may be stored over winter the same way that beets are. See under Beet on page 12.

One ounce will plant 100 feet of drill, and should yield 100 pounds or more of produce.

Best Early Kinds

Yield in from 9 to 10 weeks

2A 317 Rubicore. ★ A new, early Carrot, deep orange-red, and the small core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself—as “coreless” as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.

2A 318 Selected Chantenay. ★ A splendid half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.

2A 314 Greater Chantenay. All the palatability, tenderness, fine color, and speed of our regular strain of Chantenay, but the roots are $1\frac{1}{2}$ inches longer. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.

2A 312 Melting Marrow. ★ A fine half-long variety, cylindrical and of wonderful butter quality. Skin is smooth and the fine red color is carried through the entire root. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$5.

2A 311 French Forcing. Largely grown under glass. Small, almost globe-shaped root of an orange-red color. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$5.

2A 313 Half-Long Scarlet Nantes. ★ The skin is smooth, flesh red; coreless. Excellent for forcing and general use. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

2A 315 Oxheart or Guerande. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.

Two Carrots for Prize Winning

2A 331 Exhibition Danvers and **2A 330 Exhibition Chantenay.** For top honors at vegetable shows we offer these two strains selected for perfect shape, uniformity and size. For those also who want the best in their garden. Price each, pkt. 20 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$5.

★Kinds so marked are suitable for
QUICK FREEZING



Rubicore Carrots

Late Varieties

Yield in from 11 to 13 weeks

Sow these in summer for winter use.

2A 320 Imperator. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

2A 325 Streamliner. In developing this Carrot, quality and flavor have been given as much attention as the needs of the commercial grower. Its deep color, with a slightly deeper core, its tenderness and its sweet flavor commend it to the home gardener. It is easier to pull, bunch, and wash, and it looks wonderful, so it just fits the marketman's requirements also. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

2A 324 Selected Danvers. A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, of excellent table quality, smooth, and has little core. This selected stock we are now offering has been specially grown for market-gardeners and is sure to give satisfaction. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.

2A 326 Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$3.75.

2A 322 Long Red Surrey. Larger, better-flavored, and a deeper orange color than most others; flesh sweet and tender, never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.85, lb. \$5.

2A 321 Selected Long Orange Improved. One of the most desirable for either garden or field culture; it grows to a large size, fair specimens averaging 12 inches in length and 3 inches in diameter at the top. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.30, lb. \$3.

2A 323 New Red Intermediate. It is one of the most uniform in shape that we know, and where the soil is favorable, it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.25.

FIELD CARROTS

Especially valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

2A 342 Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. $\frac{1}{4}$ lb. 75 cts., lb. \$2.25, 10 lbs. \$21.

2A 340 Danvers Cattle.

2A 341 Long Orange Cattle.

Above 2, $\frac{1}{4}$ lb. \$1, lb. \$2.75, 10 lbs. \$26.

SEND SEEDS ABROAD

Help Relatives and Friends in Europe to Produce Food

Many in European countries long to help themselves by growing vegetables and root crops, but seeds, and in most cases money to purchase them, are not readily available.

We have assembled several mercy collections of our choice stocks that we offer at special prices, including all charges. We take care of packing and shipping details.

Collections for Europe

2A 995 COLLECTION NO. 1. \$2.50

Twenty reliable vegetables, one packet each of twenty kinds.

2A 996 COLLECTION NO. 2 \$5

Twenty-five splendid kinds, comprising two one-pound units, six one-ounce units, one half-ounce unit and sixteen separate packets. Twenty-five sorts in all.

2A 997 COLLECTION NO. 3. \$10

Thirty-four dependable sorts: two one-pound units, one half-pound unit, one quarter-pound unit, twelve one-ounce units, two half-ounce units and sixteen packets. Thirty-four kinds in all.

2A 998 ASTA ASSORTMENT \$3.95

Collection sponsored by the American Seed Trade Association. Comprises two half-pound units, two two-ounce units, four one-ounce units, two half-ounce units, thirteen packets (fourteen to south European countries). Enough seeds to produce FIVE TONS of vegetables.

Quantity prices on these collections for distribution by Clubs, Churches and other organizations on request.

Cultural directions enclosed in four languages. If instructed, donor's name also included with package.

List of Contents mailed on application.
Prices include Postage and Packing, and we guarantee safe arrival.

If preferred, you may make your own selection from this Catalogue; add 10 per cent for postage and packing. Do not include Tobacco seed, which may not be mailed out of the U. S.

Collections for the United States

They save you money—time also. For use in America; they make ideal gifts.

2A 990 LIVING GARDEN COLLECTION
A. For from 500 to 1000 sq. ft. Twelve packets high-quality seeds of the most popular vegetables for outdoor sowing. Value \$1.85 for \$1.50 postpaid.

2A 991 LIVING GARDEN COLLECTION
B. For 1000 to 2500 sq. ft. High-quality seeds for outdoors. Seven separate ounces, one-half pound, three separate pounds and four packets, fifteen varieties in all, value \$6.25, for \$5.50, postpaid.

2A 992 EARLY SEEDING COLLECTION
D. For sowing indoors in late winter, planting out in spring. Seven generous packets, one each of Broccoli, Cabbage, Cauliflower, Celery, Eggplant, Pepper and Tomato. Value \$1.40, for \$1, postpaid.

Full-size packets; see page 9 for varieties used in these Collections.

CELERY-BLEACHING TUBES

simplify the culture of this plant. In the 14-inch size they cost \$4.50 per 100. See Implement Section.

CRISP CELERY

Ounce produces 3000 plants. Early sorts take 15 weeks, late sorts about 18 weeks after setting out.

Sow the seed $\frac{1}{8}$ inch deep in a coldframe in March or outside in April or May and again in July. Transplant or thin to 6 inches apart. Rows often are double, the parallel rowlets 6 inches from each other. Rows or double rows should be 3 feet apart. Three weeks prior to harvesting, the plants should be boarded, wrapped, or earthed to blanch them.

Early Quick-blanching Varieties

2A 361 Golden Plume. Improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to disease, (d) earlier maturity, (e) keeps better, (f) increased size. Nut-like flavor and handsome appearance. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

2A 362 Golden Treasure. A reselection from Golden Plume whereby a taller type has been produced, and the head is thicker. Flavor is most refined. Pkt. 30 cts., 4 pkts. \$1, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.75, oz. \$4.

2A 365 Summer Pascal. Highest quality green Celery; short, heavy, nutty and brittle; almost ribless and entirely stringless. Blanches easily in two weeks. Full golden heart. Pkt. 25 cts., 4 pkts. 90 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

2A 360 Cornell No. 19. A yellow self-blanching type with the quality of the Pascals, and good for main and late crops. Splendid flavor. Well-formed hearts; outer stalks long, smooth-ribbed, deeply rounded and stringless. Resistant to disease. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., $\frac{1}{2}$ oz. \$1.50, oz. \$2.50.

2A 364 Paris Golden, Self-Blanching. Compact, stocky, with golden green leaves. The solid, brittle heart blanches quickly; fine, nutty flavor. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.50.

2A 363 Improved White Plume. Tender and of the very best flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

2A 380 CHERVIL, Moss Curled Extra. One ounce plants 150 feet of drill. Treat and use like parsley, for garnishing and flavoring soups and salads. Pkt. 20 cts., oz. 75 cts.

2A 383 CHICORY, Witloof (French Endive). Sow in spring. Roots are lifted in fall and planted during winter in a cellar or under a greenhouse bench, so that the root is 9 inches below the top. Fill level with sand or manure; through this the white salad appears in about a month. Pkt. 20 cts., $\frac{1}{2}$ oz. 55 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.

2A 382 Large-rooted Magdeburg. Ingredient in French coffee; young shoots provide excellent spring salad. Pkt. 15 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$1.75.

2A 440 CORN SALAD, Large-leaved. One ounce will plant 150 feet of drill. Sow in early spring and early fall. The latest sowings may be wintered if lightly mulched. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.

2A 445 CRESS, Curled or Pepper Grass. Seedlings used for salads and sandwich filling. Good house-grown crop. Scatter seeds on fine soil and press—do not cover. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50; lb. \$4.

2A 446 WATER CRESS. Mix packet of seeds with a pint of moist soil (one ounce in 4 quarts), roll into half-inch marbles. Push a marble here and there into the mud just under the water-level of your pond or slow stream. Pkt. 25 cts., oz. \$1.50.

Well-keeping Winter Celery

2A 372 New Easy-Blanching. Like Golden Self-Blanching, but green and larger; the leaves blanch white. As good a keeper as any late sort, though maturing only two weeks after Paris Golden. Flesh is crisp and brittle; flavor excellent. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

2A 373 Winter Queen. Medium large, light green. Blanches and keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

2A 371 Giant Pascal. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$3.75.

2A 370 Cutting Celery. (For Soup Greens.) A loose-growing type; stalks may be cut continuously. Do not earth or blanch. Pkt. 15 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.50.

2A 379. Celery Seed. Non-germinating. For soups, etc. Oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

CELERIAC Turnip-rooted Celery or Knob Celery

Ounce sows 150 feet of drill, 3 pounds an acre.

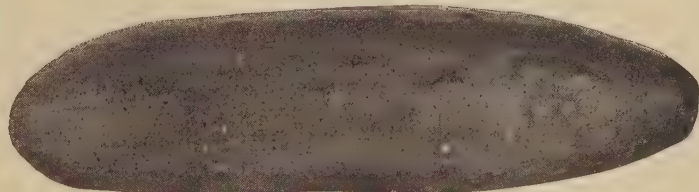
2A 378 Large-Smooth. Turnip-shaped roots, white-fleshed, tender, and with the flavor of celery stalks. This stock produces a good clean bulb, smooth, free from fibrous roots and uniform in shape. Pkt. 15 cts., $\frac{1}{2}$ oz. 85 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$4.



Golden Plume Celery

Celery is a valuable anti-scurvy food. A fair source, also, of calcium and phosphorus

CUCUMBERS Fair source of vitamin G



Staygreen Cucumber

Sow 8 seeds in a group or "hill" the size of a dinner-plate. Hills are flat unless the land is over-moist, when they may be 3 inches above the general level; and they should be at least 4 feet apart each way. After mid-May, sow at two-week intervals until mid-July. Thin to 3 plants per hill.

Ounce seeds 50 hills, 2 pounds an acre. Yield in about 9 weeks. Expect 6 Cucumbers per plant.

2A 457 Marketer. Of recent introduction, producing very dark green, cylindrical fruits, $7\frac{1}{2}$ to 8 inches long, tapering slightly at the ends. Vines vigorous and prolific. An excellent market variety. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

2A 450 A and C. New and better white-spine. Ten inches long, with rounded ends and small seed cavity. Crisp, solid flesh. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

2A 461 Straight-8. A new green Cucumber of excellent quality, without lighter striping. About 8 inches long and $1\frac{1}{2}$ inches through, symmetrical and uniform. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

2A 458 New Davis Perfect. Dark, glossy green, slim and symmetrical, 10 to 12 inches long. Brittle and of good flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

2A 454 Improved Early White Spine. Fruits slightly pointed, smooth and deep green; white lines at the blossom-end. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

2A 451 Cool and Crisp. Good size, tender and crisp; very early and prolific. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

2A 453 Extra-Long Green. About 1 foot in length, of excellent quality. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

2A 456 Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

2A 460 Staygreen. Reliable and popular commercial white-spine variety. It holds well its beautiful medium dark green color and ships well. The fruits are 8 to 9 inches long, straight, smooth, and crisp. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$2.75.

2A 459 Oriental Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth and dark green. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

2A 455 Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

2A 462 West India Gherkin (Cucumis Anguria). Distinct species, cultivated in the same way as the Cucumber. The spiny fruits are gathered when only 2 inches long and are ideal for small pickles. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

Greenhouse Cucumbers

Their culture is exacting; they are of interest to professional gardeners with adequate facilities.

2A 470 Improved Telegraph. (Imported Seed.) Very dark green, long and straight. By special arrangement, we have secured a selected strain. Pkt. (25 seeds) \$1, 3 pkts. \$2.75.

2A 471 Forcing White Spine. Similar to the outdoor White Spine but larger. Grows freely under glass; early, prolific and robust. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.



Midget Corn needs little garden space, and the ears are about 4 inches long; each plant bears two to five of them

SUGAR CORN

Corn is an excellent source of vitamin B₁ and an outstanding one of the mineral, phosphorus. Two ears per plant is a good average yield.

May be gathered daily from July to frost if you plant every three weeks, from May 1 through July 15. It is a good idea to use more than one variety to keep you further supplied daily with fresh delicious Corn.

Sow in rows 1 inch deep, placing the seeds 3 inches from one another in the drill; later thin the young plants to stand 9 to 12 inches apart. Allow 3 feet between the rows. Or sow in "hills" or groups 2 to 3 feet apart, the size of a dinner-plate, 7 seeds to each group; later thin to 3 plants per group.

Grow the midget closer. Rows may be 2 feet apart, thinning to 6 inches, or place hills 1½ to 2 feet apart and make them the size of a saucer.

One pound plants 200 feet of drill or 200 to 300 hills.

New Hybrid Corns

Noted for flavor, quick ripening, heavy yield and disease-resistance.

2A 402 Honey Cross. A first-early hybrid of wonderful table quality; probably the sweetest Corn you have ever eaten. It is good for market and for the backyard garden also. Resistant to disease. Ears long, 12- or 14-rowed, with light cream-yellow, medium broad kernels. An improved Mar-cross. Ready in 72 days. Pkt. 20 cts., ½lb. 50 cts., lb. 90 cts., 5 lbs. \$4.

2A 403 Lincoln Hybrid. Won the All-America Bronze Medal for 1942. Plants are 5 feet high, robust and very leafy. The 7-inch ears are well filled to the tips with 12 to 16 rows of bright yellow kernels. Tightly sheathed, they resist earworm and bacterial wilt. Ready in 83 days. Pkt. 15 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.25.

2A 406 Spancross (Extra Early). Stocky 4-foot plants yield in 66 days, 7-inch, 12-rowed ears, golden yellow and of fine quality. Resistant to wilt. Pkt. 15 cts., ½lb. 45 cts., lb. 80 cts., 5 lbs. \$3.50.

2A 401 Golden Cross Bantam. ★ Modern sort, showing remarkable resistance to wilt, increased yield, ability to withstand adverse weather, uniformity of ear, etc. Ears 7 to 8 inches long, 10- to 14-rowed, maturing in 88 days. Pkt. 15 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.25.

2A 405 Silver Cross Bantam. White variety similar to the above; its somewhat larger ear possesses the same high quality, fine sweet flavor and tenderness. So good that it is expected to replace all other white kinds. Ready in 82 days. Pkt. 15 cts., ½lb. 45 cts., lb. 85 cts., 5 lbs. \$4.

2A 400 Evergreen Hybrid (Late). Similar to Stowell's Evergreen, but sturdier and more disease-resistant. 93 days. Pkt. 20 cts., ½lb. 40 cts., lb. 75 cts., 5 lbs. \$3.50.

2A 496 HORSERADISH CUTTINGS. Mature roots are grated to furnish the familiar sauce served with meat, oysters and fish. Plant in rich soil with the top of the cutting 2 inches under ground. 50 cts. per doz., \$3 per 100.



Golden Cross Bantam

Early Sorts (Non-Hybrid)

Yield in 10 to 12 weeks from planting

2A 414 New Wonder Bantam. Grows 5½ feet high with 8-rowed, 9-inch ears and golden yellow, sugar-sweet kernels. More vigorous, more productive, and larger ears than Golden Bantam. 85 days. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 412 Golden Wedding. Like Golden Bantam, but larger and with 12 rows instead of 8. Resistant to wilt. 87 days. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 411 Golden Bantam. ★ Wonderful for flavor. Plants 4 feet high, usually bearing two or more ears. When ready the ears are creamy yellow. 79 days. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 410 Black Mexican. Jet-black ears; very sweet. 88 days. Pkt. 10 cts., ½lb. 25 cts., lb. 45 cts., 5 lbs. \$2.

2A 413 Howling Mob. Fine white Corn of sweet table quality. Ears 7½ inches long, 12-rowed, and are ready in 83 days. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Late Sorts (Non-Hybrid)

Yield in 13 to 15 weeks from planting

2A 421 Golden Colonel. A hybrid with unsurpassed flavor and rich yellow color of Golden Bantam and the shoepeg grains, large zig-zag ear, and 8-foot stature of Country Gentleman. 93 days. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 420 Country Gentleman. Very delicate flavor. Ear large, cob small, and pearly white kernels of great depth. 100 days. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 423 Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. 100 days. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 422 Long Island Beauty. 98 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

★Kinds so marked suitable for QUICK FREEZING



Golden Colonel

MIDGET CORNS—Unique and Delicious

Ready in 55 days

2A 431 White Midget. Grows about 30 inches high and the ears are 4 inches long, but two to five are on a single stalk. White kernels are delicious. Generous pkt. 50 cts., ½lb. \$1.25.

2A 430 Golden Midget. A golden yellow form of our well-known Midget. Equally delectable; the plant is just as dwarf and the ear equally tiny. Generous pkt. 50 cts., ½lb. \$1.25.

2A 481 DANDELION, Thick-leaved. Healthful boiled greens and a good salad. One ounce plants about 100 feet of drill. Have these drills 1 foot apart; thin the plants to 4 inches. May be blanched like endive. Pkt. 15 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.25.

2A 480 Catalogna. The cut-and-come-again Italian Dandelion, Asparagus-Chicory or Ciccioria Catalogna. Pkt. 15 cts., ½oz. 50 cts., oz. 90 cts., ¼lb. \$2.75.



New York Lettuce

LETTUCE

Contains fair amounts of calcium, phosphorus and iron; as much vitamin A, B₁ (Thiamin) and C as milk, and as much vitamin G (Riboflavin) as whole-wheat bread.

About the middle of March sow indoors. When seedlings are about 3 inches tall, transplant them to the garden, 1 foot apart. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow early sorts. Gradually thin until the plants finally stand 12 inches apart.

One ounce will plant 400 feet of drill. Matures in from 10 to 12 weeks.

TWO NEW KINDS

2A 518 Progress. Developed at the Plant Industry Station at Beltsville, Md. An early, dark green, thick-leaved, heavily savoyed, crisphead Lettuce. Highly resistant to tip-burn. Pkt. 25 cts.

2A 519 Pennlake. 1949 All-America Bronze Medal Winner. Developed by Prof. M. T. Lewis, Penn State College. Slightly later and smaller headed than Great Lakes, but more refined and uniform. Pkt. 25 cts.

NEW YORK Wonderful or Imperial Types CRISP HEADING

These are the "Iceberg" Lettuce of the stores. All are crisp, crumpled, with a creamy white heart. We recommend No. 44 for low land, black and rich; Nos. 12, 515 and 847 if it is more loamy; PW 55 for earliest crop; 456 for summer use in the East.

2A 512 Imperial 456. Large, well-formed heads of crisply curled leaves tightly folded. Resistant to tip-burn. Pkt. 20 cts., oz. 75 cts., ¼lb. \$2.25.

2A 513 Imperial 44. Withstands hot weather. Leaves are mid-green, thick, and the creamy white head is firm and somewhat flattened. Pkt. 15 cts., oz. 55 cts., ¼lb. \$1.75; lb. \$4.50.

2A 514 Imperial 847. Black seed. Gives good results on upland soil. Best for the first field planting. Excellent for autumn use. Heads are medium green, well rounded, solid, and with a short core. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$4.25.

2A 515 New York 515. In demand among growers in the New York area. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.35, lb. \$3.75.

2A 516 New York PW 55. Splendid table qualities, being crisp and flavorful. Medium size, compact and tight. Pkt. 20 cts., oz. 65 cts., ¼lb. \$2, lb. \$4.75.

2A 517 New York 12. Plant large; dark green, crisply curled leaves, tightly folded, large cabbage-like head, which is well blanched, crisp and sweet. Suitable for spring and late summer plantings. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.35, lb. \$3.75.

2A 510 Great Lakes. Won top honors, All-America Seed Trials, 1944. Crisp cream-white head develops readily. Slow to bolt in summer. Pkt. 20 cts., oz. 75 cts., ¼lb. \$2.25.

Other Heading Lettuce

2A 520 Bibb. Medium size; quick. Leaves smooth, dark green; and the small firm head blanches to an appetizing cream. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.

2A 521 Big Boston. White seed. As an early spring variety it is reliable, and it is suitable for autumn growing also. The heads are large and fine-flavored. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.50.

2A 511 Iceberg (California Simpson). Strong center ribs bend toward the heart of the plant, keeping it thoroughly blanched. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.15, lb. \$3.

2A 524 May King. Good early Lettuce, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

2A 525 Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$4.

2A 526 Salamander Perfected. (Black-seeded Tennisball.) An excellent large summer variety, with tightly folded leaves covering the light golden center. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

2A 527 Thanksgiving Day. A fine-flavored Lettuce for summer sowing to produce a late crop. Outer leaves brown and fringed, but the firm, solid head is bright gold-green. Pkt. 20 cts., oz. 75 cts., ¼lb. \$2.25, lb. \$5.50.

2A 528 Tom Thumb. For indoor culture. Small, firm heads of excellent quality; leaves are dark green and very crumpled. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$4.

2A 529 Unrivalled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

Loose-leaved Lettuce

2A 540 Black-seeded Simpson. Excellent outdoor variety. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.50.

2A 541 Bronze Beauty. New, handsome and delicious. Winner Bronze Medal, All-America Seed Selections for 1947. Leaves indented and jagged, with a brown overtone. Crisp nutty flavor. Pkt. 25 cts.

2A 542 Early Curled Simpson. Splendid curly-leaved sort. Pkt. 10 cts., oz. 30 cts., ¼lb. 90 cts., lb. \$2.50.

2A 543 Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

2A 546 Slobolt. Holds in summer nearly three weeks after Grand Rapids or Simpson have shown a seed-stem. Bright green leaves are savoyed and frilled. Pkt. 20 cts., oz. 65 cts., ¼lb. \$2.

2A 545 Oakleaf or Summer Triumph. Semi-heading. Small leaves shaped as the name suggests. Stands heat; is never bitter; always buttery and sweet. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50, lb. \$4.



Giant White Cos Lettuce

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor.

Cos Lettuce is easy to grow, slow to bolt to seed and economical of garden space.

2A 551 Giant White Cos. Although this fine Cos Lettuce is large, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 15 cts., oz. 50 cts., ¼lb. \$1.50.

2A 550 Dark Green Cos. A new mammoth sort, self-closing resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 45 cts., ¼lb. \$1.15, lb. \$3.

2A 553 Paris White Cos or Romaine. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

2A 554 Trianon Self-closing Cos. Pkt. 10 cts., oz. 35 cts., ¼lb. \$1, lb. \$2.85.

2A 552 Matchless. Midway between heading and Cos types. The dark green leaves are pointed and do not form a tight head, but they, especially the midribs, are most palatable. Pkt. 25 cts., oz. \$1, ¼lb. \$3.

EGGPLANT

One ounce will produce about 1000 plants. Yield in about 11 weeks after planting out.

Sow during March indoors; plant out 2½ feet apart when fine weather has arrived. Or you can purchase plants in late May.

2A 485 Early Beauty. The earliest, large-sized Eggplant. Particularly desirable for sections with short growing seasons. Fruits dark purple, long-globe shape; productive. Pkt. 20 cts., ½oz. 85 cts., oz. \$1.50.

2A 486 Fort Myers Market. The plants produce a continuing crop of fruit all summer. These are longish oval, large, deep black, and of superior table quality, with none of the objectionable "tang" that is found in some. Resists the diseases to which most sorts are liable. Pkt. 15 cts., ½oz. 60 cts., oz. \$1.10; ¼lb. \$3.

2A 488 New York Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Free from spines. The large fruits are sometimes produced 10 to a plant. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$2.75.

2A 487 Long Purple. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.25, ¼lb. \$3.25.

2A 484 Black Beauty. Early, large. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$2.75.

ENDIVE (Escarolle)

One ounce will plant 200 feet of drill and yield 250 heads; more when thinnings are transplanted. Ready 12 weeks after sowing.

Most gardeners sow seed from middle of June till last of August in rows 15 inches apart; thin to 10 inches between plants. When fully grown, tie the outside leaves over the heart to blanch it; this will take a week. Very hardy plant. First autumn frosts improve flavor and texture.

Outstanding in vitamin A, good source of vitamin G, and a fair supply of calcium and iron.

2A 492 Deep Heart. A fringed or curly type, but with the general broad-leaved habit of Escarolle. It is more upright, however, giving it a well-filled heart. Normally, it is 10 to 12 inches across and 7 to 8 inches deep. Suitable for all market, estate and private gardens. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

2A 493 Full-hearted Batavian (Escarolle). Of fine quality, closely resembling Broad-leaved Escarolle, but the head is more compact and full; it blanches easily. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1; lb. \$2.50.

2A 495 Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

2A 494 Green Curled. The leaves are bright green, finely cut and crinkled, giving the plant a handsome appearance. Blanches easily a creamy white. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

LEEK

Mild onion-like plants served boiled. Sow in early spring outdoors and thin to 6 inches (or transplant them) in trenches 6 inches deep, in rich soil, 15 inches from trench to trench. Fill the trenches as the plants grow, and later draw soil up to them. You will have fine, large, blanched Leeks a half-foot long, which may be stored all winter in sand.

One ounce will plant about 100 feet of drill or yield over 1000 seedlings for transplanting. About 18 weeks from seeding to edible stage.

Vitamin F, fair; copper, outstanding; phosphorus, good.

2A 507 Exhibition. Preferred for vegetable shows. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.25.

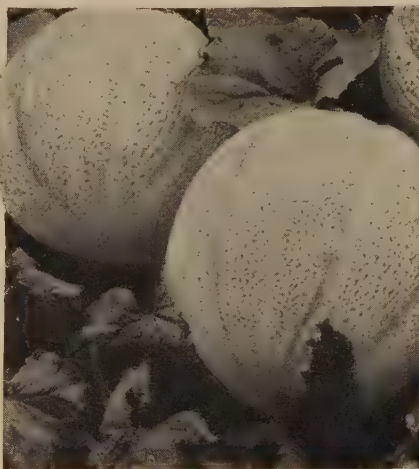
2A 506 Elephant. An extra-long and extra-thick variety of superior quality. Pkt. 20 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25.

2A 508 Large American Flag. Widely used for both family and market. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

2A 509 Musselburgh. Hardy variety of extra-large size. The leaves are dark green. Edible stem is 6 to 8 inches long and 3 inches in diameter. Pkt. 20 cts., $\frac{1}{2}$ oz. 70 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$3.50.

2A 558 MUSHROOMS. Spores from choice Mushrooms propagated in sterile bottles, removed, dried, and packed in cartons. Excluded are spores of other fungous growths. One quart for 35 square feet. Bottle Spawn, qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

Valuable for their zestful flavor. Turn fresh manure every day for four days; then build beds with it, 1 foot thick when tamped. As the internal temperature falls to 85 degrees, plant the spawn, broken into walnut-size pieces. Cover with 3 inches of hay for a week; remove, and spread 1 inch of soil in place. Keep building at 60 degrees, and moisten walls and floors daily. Hence average home cellar is unsuitable. Gathering begins in 6 weeks.



Bender's Surprise Muskmelon

KALE or BORECOLE

2A 497 Curled Scotch. At its best after November frosts. Sow in May, June or July; when large enough, transplant, allowing 24 inches between plants. One ounce produces 3000 plants. A 25-foot row will yield 4 bushels of healthful food. Ready in about 12 weeks after setting out. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.

2A 498 Siberian Kale or Sprouts. Less densely curled, but hardy and yields heavily. Known as "German greens." Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.



Kohlrabi

KOHLRABI

Turnip-rooted Cabbage

Sow in early spring in rows 18 inches apart, and thin away the plants to 6 inches. Sow again in summer for an autumn crop. Delicious when about 2 inches in diameter; large roots become woody.

One ounce will plant about 200 feet of drill, and yield over 200 pounds. Ready in 8 to 9 weeks.

An excellent source of vitamin C; a fair one of G. Also contains phosphorus, copper and calcium.

2A 500 Earliest Selected. The leaves are small, so this Kohlrabi may be used for forcing, as well as for outside planting. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.40, $\frac{1}{4}$ lb. \$4.25.

2A 502 White Vienna.

2A 501 Purple Vienna.

Above 2, each, pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50

MUSKMELON (Cantaloupe)

Not difficult to grow. Sow in April under Hot-kaps and in the open in May in hills or groups the size of a dinner plate and 5 feet apart each way. Use in each group from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to 3 plants per hill.

One ounce will plant about 80 hills. Each hill should produce 6 or more perfect melons. Yield from 12 to 16 weeks.

Excellent source of vitamin C; good one of A and B₁; fair one of G.

Golden or Orange-fleshed

2A 564 Iroquois. A new melon, similar to Bender's Surprise, but it is not quite so early; nor is it as large, and its shape is more oval. But the flesh is thicker, a deeper and richer color and of the best flavor possible, with a delightful aroma. Pkt. 25 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.80.

2A 560 Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

2A 562 Hale's Best. Most superior melon of the Rocky Ford type; oval shape. Quick to produce its fruits; flesh is salmon-orange, sweet, and of fine quality. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

2A 565 Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

2A 563 Hearts of Gold or Improved Hoodoo. Ideal shipping melon of the finest quality. Flesh very thick, firm of fine texture, and delicious flavor. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

2A 561 Golden Delicious. Remarkable speed from seeding to yield. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

Green-fleshed

2A 573 Honey Gold. A new, early, and very handsome commercial sort; good, also, for the home-garden. The grapefruit-like melons are medium in size and very fleshy, because the seed-cavity is small and the rind very thin. Fine sweet flavor. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.

2A 574 Rocky Ford. The fruits weigh from $1\frac{1}{4}$ to $1\frac{1}{2}$ pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

2A 575 "10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

2A 570 Cassaba. True winter melons. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.50.

2A 571 Cranshaw (Cassaba). Popular variety, often seen on the N. Y. market. Pkt. 25 cts., 5 pkts. \$1.

2A 572 Honeydew (Cassaba). Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.25.

FORCING MELONS

For raising in a heated greenhouse or hot-bed. Not easy; of interest mostly to the expert. When skillfully grown, they are large, flavor exquisite. Seed is imported.

2A 578 Blenheim Orange. Scarlet flesh.

2A 579 Ringleader. Green flesh.

Above 2, pkt. \$1, 3 pkts. \$2.75

ONION

One ounce will plant 100 feet of drill and yield 100 to 150 pounds of food. 5 to 6 pounds of seed per acre.

Mild White Varieties

- 2A 602 **Southport White Globe.** Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.
- 2A 605 **White Portugal or Silverskin.** A mild variety, used for pickles. Tender and altogether fine. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 2A 603 **White Bunching.** For Scallions and small Onions. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 2A 600 **Evergreen Bunching.** Long, white sort; may be sown in spring or fall. Protect over winter with salt hay or leaves. A tender, mild Scallion. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.
- 2A 604 **White Pickling.** When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use. Pkt. 15 cts., $\frac{1}{2}$ oz. 55 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.50.

Leading Yellow Kinds

- 2A 611 **Southport Yellow Globe.** Large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is rich orange-yellow. Keeps splendidly. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 2A 609 **Early Yellow Globe.** Attractive, deep yellow Onion, medium large in size with a tight skin; keeps well. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.
- 2A 612 **Yellow Globe Danvers.** A splendid keeper. Well-rounded bulbs about 2 $\frac{1}{2}$ inches in diameter; skin light golden yellow; flesh white, crisp, and mild. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.
- 2A 610 **Ebenezer.** A dark yellow variety. Bulbs are deep, flat, or medium size, very firm, with a thick skin. Early and keeps well. A popular Onion. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

MUSTARD

Sow in spring, in drills 12 inches apart; thin to 6 inches. The first two varieties are used for healthful boiled "greens," and are, possibly, the quickest garden crop; gather leaves when they are young, and discard the stems. Seedlings of White London are used for sandwich material.

A healthful vegetable. Vitamins B₁, good; C, G and phosphorus, excellent. Calcium and iron, outstanding.

- 2A 580 **Fordhook Fancy.** Crested and cut leaves give it a feathered appearance. The flavor is inviting. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.65.
- 2A 581 **Giant Southern Curled.** The broad succulent leaves are frilled. 3 ft. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.65.
- 2A 582 **White London.** Often raised indoors; broadcast seed on fine soil and press slightly—don't cover. Also grown on cloth kept moist. Ready in about 10 days. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.
- 2A 583 **Mustard Spinach (Tendergreen).** See description on page 24. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

For large Onions sow $\frac{1}{2}$ inch deep in a hotbed early in January or February and transplant to the open 6 inches apart. For the main supply, sow in rich, sandy soil, river-bottom loam or muck land in drills 1 foot apart, early in spring, and firm well. Thin to 3 to 4 inches apart.

They take 3 to 4 months to grow to large, mature Onions.



S. & W. Co.'s Southport Globe Onions

A rich well-drained soil, free of stones, is best for Onions. To hasten maturity, especially if they are slow to form bulbs, bend over or break the tops.

Onions are an aid to buoyant health and are a good source of vitamin B₁.

Long-keeping Red Onions

- 2A 616 **Southport Red Globe.** Deep red skin; almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.25.
- 2A 615 **Large Red Wethersfield.** The standard red variety, and a favorite for shipment. Bulb large, flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, with a strong flavor. The best keeper. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Onion Sets

One pound plants 100 feet.

Sets are tiny bulbets grown from seed sown thickly last summer. They will produce green, bunch or pulling Onions in four to six weeks, much quicker than will seed. They may be allowed to develop into full-size Onions. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring. Garlic, Potato Onions and Shallots divide and increase in the soil.

- | | | | |
|-------------------------------|-------|--------|---------------|
| 2A 633 White Onion | Lb. | 4 lbs. | 8 lbs. |
| Sets | | \$0 50 | \$1 75 \$3 35 |
| 2A 634 Yellow Onion | Sets | | 45 1 60 3 00 |
| 2A 635 Yellow Ebenezer | Sets | | 45 1 60 3 00 |
| 2A 632 Red Onion | Sets | | 50 1 75 3 35 |
- Plant the above Sets 2 in. deep and 2 in. apart for pulling Onions and 4 in. apart for large ones.
- | | | | |
|----------------------------|---------------------------|-------|---------------|
| 2A 631 Garlic Sets. | Separate | Lb. | 5 lbs. |
| | cloves; plant 6 in. apart | | \$0 75 \$3 50 |

- | | | | |
|-------------------------------|-------|-------|---------|
| 2A 636 Potato Onion | Sets | | 65 3 00 |
| 2A 637 Shallots (True) | | 75 | 3 50 |

Above two are alike in that individual bulbs are planted one foot apart; at the end of summer clusters of bulbs are harvested.

Egyptian Top Onions. Fall delivery. See Autumn Catalogue for price.

Extra Large-growing Kinds

- 2A 620 **Selected Ailsa Craig.** This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. A splendid variety. Pkt. 20 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.
- 2A 622 **Prizetaker.** Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 15 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1, $\frac{1}{4}$ lb. \$2.75.
- 2A 623 **Riverside Sweet Spanish.** The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. We recommend it highly. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. 95 cts., $\frac{1}{4}$ lb. \$2.75.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

- 2A 625 **Crystal Wax (White Bermuda).** Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$4.
- 2A 627 **Yellow Bermuda.** Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$4.
- 2A 626 **Red Bermuda.** Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.35, $\frac{1}{4}$ lb. \$4.

Epicure Foods, Gift Dept.

These Departments issue a special Catalogue. We gladly mail it on request.

OKRA or GUMBO

Adds a mucilaginous quality and a piquancy to soups; may be served alone as a pleasing vegetable. Young pods only are used; when old they have no value. Ready about 9 weeks after sowing.

Sow in late May in drills 1 inch deep and 2½ feet apart; thin to 12 inches.

One ounce will plant about 100 feet of drill.

2A 590 Clemson Spineless. A new and improved sort, almost spineless and of excellent quality. For both the home and market garden, and for canning. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

2A 592 Long Green. Long ribbed pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

2A 594 White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

2A 591 Dwarf Green. Short, deep green pods. Pkt. 10 cts., oz. 25 cts., ¼lb. 65 cts., lb. \$1.50.

PARSLEY

Parsley should be used freely in salads, soups and sauces. An outstanding source of vitamins A and C, and a good source of B; it supplies calcium, phosphorus, iron and copper.

Sow early in the spring in drills 1 foot apart and ½ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated like Carrot.

One ounce will plant about 150 feet of drill, and yield over 150 good bunches. Ready in about 10 weeks.



Evergreen Parsley

2A 641 Evergreen. A new rapid-growing, vigorous sort that will give you Parsley later in the autumn because it is more resistant to cold. Larger, denser, more spreading and very dark in color. Tightly curled but its sturdiness is associated with slightly coarser cut leaves. Ideal for the market man as well as the private grower. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.50.

2A 640 Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.

2A 643 Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 15 cts., oz. 35 cts., ¼lb. 90 cts., lb. \$2.25.

2A 642 Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Seed saved from exhibition plants. Pkt. 25 cts., 5 pkts. \$1.

2A 646 Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 30 cts., ¼lb. 75 cts., lb. \$1.75.

2A 644 Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 15 cts., oz. 30 cts., ¼lb. 85 cts., lb. \$2.



World Beater Pepper

PEANUTS

These require similar soil conditions and temperatures to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills 2½ feet apart and 1½ inches deep. Allow 9 inches between one "nut" and the next in the row.

2A 656 Improved Spanish. Though small, this is a quick-growing sort and one that is suitable for northern gardens. Pkt. 15 cts., lb. \$1.

2A 655 California Long Red. Larger than the above but slower to mature. Plant it south of the latitude of New York, where the longer summer will enable it to yield a heavy crop. Pkt. 15 cts., lb. \$1.

PARSNIP

Good source of vitamin C; fair source of B₁ and G. Supplies phosphorus and copper.

Sow as early in spring as the ground can be worked, ½ inch deep and in drills 15 inches apart. Thin to 4 inches between plants. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

One ounce will plant about 200 feet of drill and yield 300 or more pounds; use 5 to 6 pounds of seed per acre. Takes 15 weeks from seed to maturity.

2A 650 Improved Hollow-Crown. Fine 12-inch roots, clean, well shaped, smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 35 cts., ¼lb. 85 cts., lb. \$1.75.

2A 651 New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly. Pkt. 15 cts., oz. 40 cts., ¼lb. \$1, lb. \$2.25.

2A 652 Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.

Although Parsnips take all season you may practice companion-cropping by sowing Parsnips, Beets and Radishes at the same time. You pull Radishes in four weeks, Beets in ten, Parsnips in fall, from the same row.



Improved Hollow-Crown Parsnips

PEPPER

Outstanding source of vitamin C, and a fair one of A and G.

All varieties may be used either green or red; green Peppers are unripe red Peppers.

They should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant 18 inches apart each way. Protect against cutworm with Cutworm Guards.

One ounce will produce about 1000 plants. From a 25-foot row you should gather 30 pounds or more of good Peppers. Pick 9 to 12 weeks after setting out.

Splendid Sweet Peppers

2A 706 World Beater. One of the largest and most handsome. The fruits are 3½ inches in diameter by 5 inches long, four-lobed, and the flesh is very thick, mild, fine and sweet. Early. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.10, ¼lb. \$3.25.

2A 704 Perfection Pimiento. The meat is very thick. The quality is very sweet and delicious, and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.10, ¼lb. \$3.25.

2A 701 Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 15 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.50.

2A 700 California Wonder. An early-yielding variety with the thickest kind of high-quality flesh, and one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 20 cts., ½oz. 70 cts., oz. \$1.15, ¼lb. \$3.50.

2A 702 Large Bell or Bull Nose. A large, early variety of pleasant mild flavor. Favorite for green stuffed Peppers. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.10, ¼lb. \$3.25.

2A 703 Neapolitan (Jersey Sweet; White Cap). Early and a heavy yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.

2A 705 Ruby King. Fruits are 4½ to 6 inches long, 3½ inches thick, and bright red. Used both for pickles and slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 15 cts., ½oz. 65 cts., oz. \$1.10, ¼lb. \$3.25.

Hot Peppers

2A 710 Hungarian Wax. Pungent. Matures early. Fruits 5 to 6 inches long. Pkt. 20 cts., ½oz. 75 cts., oz. \$1.25, ¼lb. \$3.50.

2A 711 Long Red Cayenne. Fruits 4 inches by 1 inch; bright red; prolific; hot. For pickling, both green and ripe. Pkt. 15 cts., ½oz. 60 cts., oz. \$1, ¼lb. \$3.



Laxtonian Peas



GREEN PEAS

Sow round, smooth-seeded sorts as early in the spring as possible, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure a long productive season. Place the Peas 2 inches deep and about 1 inch apart in single or double rows 2½ feet asunder. Thin to 3 inches. Sorts over 1½ feet need the support of brush or wire.

If you have not grown Peas in your garden before, you should treat the seed with Legume-Aid. One pound (equal to about 1 pint) plants 100 feet.

EARLY WRINKLED SORTS continued

2A 672 **Laxtonian**. ★ The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1½ feet high, and is of a rich dark green color. 62 days. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 673 **Laxton's Progress**. ★ The pods are 4 inches long and are filled with 8 large, melting, sweet Peas. The plant grows 1½ feet high. A variety that is excellent in every way. 60 days. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 674 **Little Marvel**. Eighteen inches high, heavily set with pods, usually in pairs. Pods 3½ in. long, square, filled with large, deep green Peas. 62 days. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 675 **Market**. Vines robust, growing from 2 to 2½ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 677 **Thomas Laxton**. ★ The Peas are of extra-fine quality, tender and of good flavor. Height 3 ft. Ready for picking in 63 days. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 678 **World's Record**. ★ An improved Gradus, but somewhat earlier and showing even a higher yield. Yields in 61 days. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Main-Crop Wrinkled Sorts (Marrowfat)

2A 680 **Alderman**. ★ On generous soils it grows to a height of 5 to 6 feet. The pods contain 7 large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 681 **Boston Unrivalled or Telephone**. ★ A fine tall late variety. The yield of pods is good and they are uniformly well filled. Attains a height of 5 feet. Twelve weeks from seed to harvest. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

2A 683 **Potlach**. ★ The best dwarf, extremely late Pea. Healthy bluish green vines bearing loads of deep green pods. Height 2 feet. A continuous bearer from July 1 to 15 in most seasons. Pkt. 15 cts., ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 684 **Quite Content**. One of the largest-podded Peas. This variety is preferred by many growers on account of its size. 5 feet. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 682 **Number Forty**. ★ A dwarf plant which produces pods 5½ to 6½ inches long. Their cooking quality is of the best. 75 days from sowing to harvest. ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

Edible-podded Sugar Peas Used like snap beans

2A 690 **Luscious Melting Sugar**. Large, broad pods which are so brittle that they snap with no string. 5 feet. Ten weeks from seed to yield. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

2A 691 **Very Dwarf Sugar**. Height 25 inches. Pkt. 15 cts., ½lb. 35 cts., lb. 60 cts., 5 lbs. \$2.75.

★ Kinds so marked suitable for
QUICK FREEZING

Early Smooth-seeded Sorts

2A 660 **Dwarf Early Bird**. Hardy; sow it very early, and in 60 days you begin picking the 4-inch-long pods packed with good quality Peas. Height 16 inches. ½lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50.

2A 661 **First of All or Pedigree Extra-Early**. Peas tender, well flavored, in long, tightly filled pods. 60 days from planting to picking. Height 30 inches. Pkt. 10 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Early Wrinkled Sorts (Marrowfat)

2A 670 **Freezonian**. ★ All-America Bronze Medal Winner for 1948. A deep-freezing sort, and an excellent all-purpose variety, because it bears for a longer time and resists hot weather; resists wilt also. Thirty inches tall; the 3½-inch pods are crammed with large, wrinkled, very sweet Peas. 63 days. Pkt. 20 cts., ½lb. 45 cts., lb. 80 cts.

2A 671 **Gradus or Prosperity**. ★ Vines have light green leaves and grow about 3 feet high. Pods uniformly large, 4 to 4½ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. 65 days from seed to picking. Pkt. 15 cts., ½lb. 30 cts., lb. 50 cts., 5 lbs. \$2.25.

Peas are a valuable protein food, an excellent source of vitamin B₁, a good one of vitamin G and a fair one of A. Outstanding in their phosphorus content, they also furnish iron and copper.

The average yield from a 25-foot row of dwarf Peas is 25 to 30 pounds of pods; about 25 per cent more for tall sorts.



Sweet or Sugar Pumpkin

PUMPKINS

Good source of
vitamin A

Plant May 15 in "hills" or groups 8 to 10 feet apart, and otherwise treat in the same manner as melons.

One ounce will plant 50 hills.
Fruits are ripe 15 to 18 weeks after sowing seed and 4 to 5 per hill may be expected.

2A 722 Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 80 cts., lb. \$2.

2A 723 Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality very thick, and deep yellow. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 80 cts., lb. \$2.

2A 724 Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 90 cts., lb. \$2.25.

2A 720 Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

2A 721 King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.15, lb. \$2.25.

SQUASH

It is not advisable to plant before May 15. Sow bush varieties in "hills" or groups 4 feet apart; trailing sorts 6 to 8 feet apart. Sow 6 or more seeds, thin later to 3 plants in a hill.

One ounce plants about 25 hills, and each hill should yield 6 to 8 good Squashes.

Winter Squash furnishes some vitamin G, and is an excellent source of vitamin A; Summer Squash is almost as good.

Summer Squash matures in 7 to 10 weeks from sowing, Winter Squash in 13 to 15 weeks.

Summer Varieties

2A 800 Giant Bush Summer Crookneck. Popular for its refined, fresh, delicious flavor. In this new type these are retained, but the fruits are double the size. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.

2A 801 Long Island White Bush (Improved Patty Pan). Shallow grooves and a thicker, heavier fruit than the type. Pkt. 15 cts., oz. 40 cts., 1/4 lb. 90 cts., lb. \$2.25.

2A 803 Straightneck. Similar to Summer Crookneck, but straight. Fruits warted, 20 inches long. Delicious flavor. Pkt. 15 cts., oz. 40 cts., 1/4 lb. 90 cts., lb. \$2.25.

2A 804 Zucchini. ★ Prolific, tender; mild flavor. Gather when 6 inches, and prepare like other Squash, or fry like eggplant. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1, lb. \$2.75.

2A 802 Noodle Squash. Puncture one end and cook it for 35 minutes. Cut in half, the flesh falls out in shreds, suggestive of spaghetti. Served hot with sauce, salt, and butter, or as a cold dish with vinegar. Mottled green fruits, 10 inches long, turn yellowish white. Pkt. 15 cts., 2 pkts. 25 cts., oz. 50 cts.

For Coccozelle, see Vegetable Marrow

TOBACCO

Treat seeds with Semesan and sow thinly under glass in March or April. Press in gently; do not cover with soil. Transplant at 30-inch intervals after May 15. Needs rich, but porous and well-drained soil; its suitability influences smoking quality. Curing does also—obtain bulletins from your state college or department of agriculture.

2A 830 Connecticut Seed Leaf. Large leaf for cigar wrappers, fillers also.

2A 831 Kentucky Burley. For pipes and chewing.

2A 832 Virginia Bright-Leaf. Light-colored leaf, for cigarettes.

Above, each, pkt. 20 cts., 1/4 oz. \$1

With care, 1/4 ounce will provide enough plants for one acre.

Fall or Winter Squashes

2A 812 Butternut. Large, smooth, tan-colored fruits of decanter shape. Twelve to 15 inches long, the neck section is narrow but the blossom end is large and swollen. Thick golden flesh, fine textured, sweet and of excellent flavor. Keeps well. Pkt. 15 cts., oz. 75 cts., 1/4 lb. \$2.25, lb. \$6.

2A 810 Acorn (Table Queen; Des Moines). One of the earliest. The fruits are 6 inches long by 4 1/2 inches in diameter; dark green shell, but the flesh is light yellow and thick. Trailing. Keeps well. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

2A 815 Golden Table Queen. Slightly smaller; flesh exceptionally sweet and rich. Ripens to golden yellow. Prolific. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.25, lb. \$3.

2A 813 Chicago or Warted Hubbard. Robust; fruits large, heavily warted, and dark green; flesh rich and dry. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

2A 816 Golden Hubbard. Similar to the Green Hubbard, but somewhat smaller. Orange skin; flesh deep gold. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

2A 817 Hubbard. Bluish green, occasionally marked brown. Will keep to May. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.25.

2A 811 Boston Marrow. Oval; bright orange; flesh yellow. Excellent for pies. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.

2A 814 Delicious. Fine compact grain, dry and sweet, rich flavor. Top-shaped fruits weigh up to 10 pounds. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$2.75.

2A 818 Mammoth Chili. A late, exceptionally large variety that is popular for exhibition purposes. Orange-yellow color. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.

RHUBARB

Plant the roots in well-manured land, 3 feet apart and 3 inches deep. Sow seed in spring in drills a foot apart; transplant the following season. One ounce of seed should produce about 1000 roots.

Victoria. Reliable, and has given good results for years. 2A 771 Strong clumps, 25 cts. each, \$2.50 per doz., \$17.50 per 100.

2A 772 Extra-large clumps for forcing in the greenhouse or cellar, 45 cts. each, \$4.50 per doz., \$32.50 per 100.

2A 770 Seed, pkt. 20 cts. oz. 60 cts., 1/4 lb. \$1.75.

2A 773 McDonald. Developed in Canada, and very hardy. Tender and delicious. Roots only (divisions), 75 cts. each, \$7.50 per doz., \$60 per 100.

PURCHASER PAYS TRANSPORTATION BEYOND 50 MILES ON ROOTS

★ Kinds so marked suitable for
QUICK FREEZING

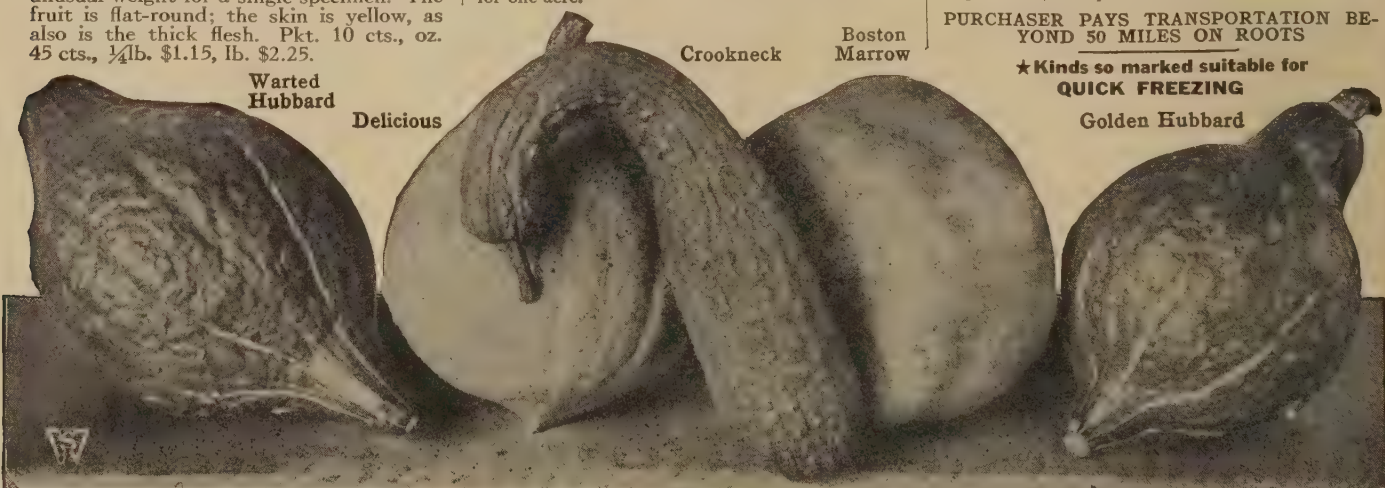
Golden Hubbard

Crookneck

Boston Marrow

Warted Hubbard

Delicious



POTATOES

Potatoes contribute important quantities of iron, vitamins B₁ and C. The best soil for them is a well-drained fibrous loam. On clay soils, particularly in certain districts of northern New Jersey, the culture of Potatoes is not recommended. Before planting, work in Sawco General Garden Fertilizer at the rate of 1500 pounds to the acre if applied broadcast, or 750 pounds if applied under the row. Cut into pieces, each containing at least one good eye; plant 10 inches apart and 3 inches deep in 2½-foot rows from April 10 to May 31.

Allow 7 to 10 pounds for each 100 feet of row; 600 pounds will plant an acre. Potatoes are often discussed in terms of pecks and bushels: one peck weighs 15 pounds, one bushel 60 pounds. Growing period around 125 days. Potatoes are ready to dig after tops have died down completely.

Use Semesan Bel on your seed Potatoes at planting-time. It controls disease and produces increased yields of healthy plants and tubers. 1 tablespoonful will treat 100 pounds. Spraying with Bordeaux Mixture for blights and scab, and with Lead Arsenate for the potato beetle (½ inch long, yellow with black stripes) are a necessary process with the growing crop. See Insecticide and Fungicide Section at end of this Catalogue.

Standard Early Potatoes:

Mature in 9 to 11 weeks

2A 730 Chippewa. Husky variety that resists disease and crops heavily. Tubers are of medium size, pure white and smooth, longish-round in shape, with shallow eyes and excellent cooking quality. Popular with Long Island growers.

2A 731 Irish Cobbler. Does well in a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed and but slightly indented. White flesh of fine quality.

A Fine Intermediate Potato

2A 734 Katahdin. Matures about a week later than Irish Cobbler. White skin and flesh, with a very shallow eye. Handsome oval shape. Excellent cooking quality, and the preferred variety for Potato chips.

Best Main-Crop Potato

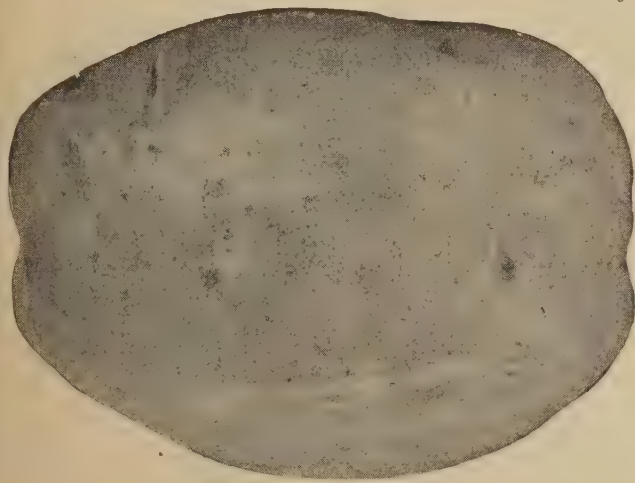
Mature in 12 to 14 weeks

2A 736 Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper.

PRICES OF ABOVE FOUR:

25 lbs. \$2.50, 50 lbs. \$4.25,
100 lbs. \$7.50

Purchaser pays transportation
on Seed Potatoes



Katahdin Potato

Sweet Potato

One of the most important American food crops, so highly nutritious that in the New York area everyone should grow it in localities where Potatoes of the ordinary type are often unprofitable. It may well be given consideration in northern New Jersey, for example, as an ideal home-garden food crop.

Set out about 2 feet apart each way in sandy soil; dig after first frost. Cultivate often, and prevent stems taking root by lifting the tops from time to time.

2A 739 Yellow Jersey.

2A 738 Big Stem. Yellow.

Each variety, \$2 per 100, \$15 per 1000

Ready in June, these are rooted cuttings which, in a few hours after separating them from the parent tuber, take on a wilted appearance. Despite this, however, they grow well and may be planted with every confidence. But we do not ship Sweet Potatoes beyond 50 miles.

Sweet Potato tubers keep well if they are thoroughly cured, and handled with great care to avoid bruising.

RADISHES

Fresh-pulled Radishes are refreshing. They are an excellent source of vitamin B₁ and a fair source of vitamin G. They furnish a good amount of copper.

As early in the spring as the ground can be worked, sow sparingly, ½ inch deep, any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown from July 15 to August 15, and may be pulled after light frosts and stored through winter.

One ounce will plant about 100 feet of drill. One generous bunch per foot of row is an average yield.

Round and Olive-shaped

Ready in about 25 to 30 days

2A 752 Cherry Belle. 1949 All-America Bronze Medal Winner. Short tops, round or globe shape, very brilliant scarlet color. Neither age nor size seems to develop pithiness. Pkt. 25 cts., oz. 65 cts., ¼ lb. \$1.75.

2A 750 Special Forcing. A superior Scarlet Globe. Very quick to mature. Its small top gives plenty of room in the frame or greenhouse. Mild flavor, smooth, crisp, and good. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.25.

2A 741 Crimson Crisp. White flesh of high quality, brittle and mild. May be grown to a larger size than most kinds before it becomes inedible. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.25.



Early Scarlet Globe Radishes

2A 742 Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots in from 28 to 30 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 751 White Pearl. The finest white round Radish. Matures quickly and does not get hollow. For both spring and summer; superior to the older White Box. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.25.

2A 749 Sparkler. Rich carmine-scarlet, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 746 Early Scarlet Turnip. Handsome flat-round roots. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 748 French Breakfast. Olive-shaped counterpart of Sparkler. Mild, crisp. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

Early Long Radishes

Ready in about 35 days

2A 756 White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by ¾ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 35 cts., ¼ lb. 85 cts., lb. \$1.75.

2A 755 Cincinnati Market. Roots 6 to 7 inches long, an inch thick, are produced 35 days after sowing. Skin rosy scarlet blending into a white tip. Pkt. 10 cts., oz. 30 cts., ¼ lb. 85 cts., lb. \$1.75.

Early round, olive-shape and long Radishes are essentially spring and autumn crops. They do not thrive in warm weather. Sow Strasburg Radish in June and July; winter sorts from mid-July to mid-August.

Summer Variety

Ready in about 40 days

2A 761 White Strasburg. Shape tapering; skin and flesh white; excellent summer variety. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

Long-keeping Winter Varieties

Ready in about 8 weeks

2A 766 Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

2A 765 Long Black Spanish. The popular winter sort. Skin is black, flesh white. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

2A 767 Round Black Spanish. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1, lb. \$2.

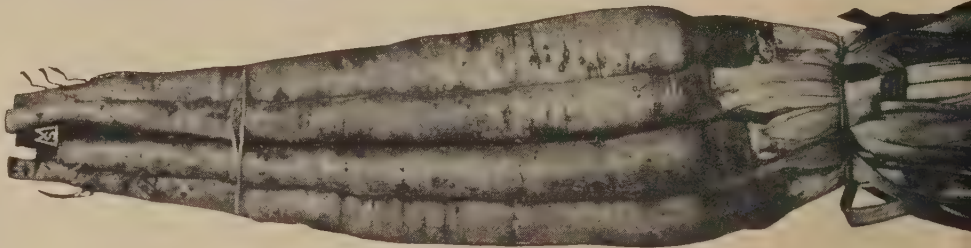
SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill.

Delicious vegetable, grown and served like parsnip; autumn frosts improve its flavor. Sow early in spring, in drills 15 inches apart and 1 inch deep, thinning out the young plants to 4 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots; remainder may be left in the ground and dug in spring.

2A 778 **Mammoth Sandwich Island.** Pkt. 15 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.



Mammoth Sandwich Island Salsify

SPINACH

Sow in April in drills $\frac{1}{2}$ inch deep and 15 inches apart; again in August or September. Thin to 3 inches between plants. Spinach requires rich soil.

One ounce will plant about 100 feet of drill, and produce over 6 bushels of Spinach. Gather about 7 weeks after seeding.

Spinach is essentially a cool-weather crop, and should be sown early; plants from late spring seedings frequently "bolt" to flowers, unless you choose carefully from the following a sort less prone to do so.

2A 782 **Emerald Standing.** ★ Large, vigorous type, of compact, spreading growth. Leaves are large, thick, slightly crumpled, very fleshy and carried on long stems. Dark green. The most important point, however, is that it stands fully one month longer than any other variety before bolting to seed. Yet it is quick-growing. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

2A 780 **Blight-Resistant.** ★ A Savoy-leaved Spinach which may be grown on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

2A 785 **Old Dominion.** ★ A mosaic-resistant hybrid. Very hardy, and much used in late autumn, when seed remains dormant over winter and germinates first thing in spring. Good for early spring sowing also. Wrinkled leaves. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$1.85.

2A 786 **Princess Juliana.** ★ A splendid all-purpose variety; good for the home gardener and commercial grower alike. Large, wrinkled and blistered dark green leaves. Slow to bolt in hot weather. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

2A 781 **Bloomsdale Savoy.** ★ Dark green. Valued both by market growers and home gardeners because of its earliness. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

2A 787 **Viking.** ★ A new quick-growing sort, but one that is slow to run to seed. Large medium-blistered leaves; dark green. Excellent home-garden variety. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.



2A 790 New Zealand Spinach

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Illustrated above.

Sow during May, in drills 2 feet apart. Thin to 9 inches between plants. Ready in about 10 weeks from sowing. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.10, lb. \$3.25.

2A 791 Perpetual Spinach

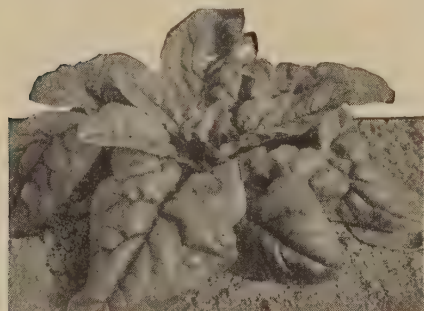
This desirable cut-and-come-again plant may be sown from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1; lb. \$3.

2A 583 Mustard Spinach (Tendergreen)

Good boiling vegetable, healthful and palatable. Has a pleasant flavor, and many who do not like true spinach will relish it. Cut within a month of sowing seed. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$1.75.

Swiss Chard and Spinach are among the most healthful of foods. Both are high in vitamins A and G, and in all minerals, especially iron. Swiss Chard is also an outstanding source of vitamin B₁ and Spinach an excellent source of vitamin C.

★Kinds so marked suitable for QUICK FREEZING



Bloomsdale Savoy Spinach

SWISS CHARD

Spinach Beet

This delectable vegetable is one you must grow yourself, for it is not often offered for sale.

Leaves may be boiled, adding fried chopped bacon if you so desire. The stalks may be served as a distinct dish cooked like asparagus. Sow early in spring in rows and thin to 9 inches.

One ounce will plant about 100 feet of drill, and yield more than 10 bushels of produce. Cutting commences in about 7 weeks.

2A 823 **Mammoth New York.** This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. High breeding has eliminated the earthy flavor common to many Chards. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

2A 821 **Giant Lucullus.** Plants grow to a height of 2 to 2 $\frac{1}{2}$ feet and the stalks are 1 $\frac{1}{2}$ inches broad, heavily ribbed, and from 10 to 12 inches long. The large, medium green leaves are heavily crumpled. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

2A 822 **Green Lyon.** A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.25.

2A 820 **Fordhook.** A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.

2A 824 **Rhubarb Chard.** Bright crimson stems and dark green and crimson leaves give this variety a striking appearance; it looks like rhubarb at first sight. Grow and cook it as you would other Chards, and you will find it even more delicious. Decorative in the flower garden, too. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Giant Lucullus Swiss Chard

When you stake your
Tomatoes, fasten them with

PLANT-TWISTS, made of wire which bends easily,
plant is protected by soft fibers

50 cts. per 100

TOMATOES

One ounce will produce about 1000 plants. Yield begins 9 to 13 weeks after setting out.
Abundant source of vitamin C.

Although the purchase of plants is established practice with most home gardeners, growing Tomatoes from seed is economical and entirely practical. It should be sown sparingly in a hotbed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. Protect each plant with a Cutworm Guard; otherwise cutworms may destroy it. For an autumn crop, sow seed in May in the open.

To have clean, disease-free Tomatoes provide each plant with a strong stake or other support to



Ponderosa Tomato (Purple-red)

keep the fruit off the ground. If leaves are being eaten, search for and destroy the large green Tomato horn worm (rarely more than one on a plant).

2A 840 Beefsteak or Crimson Cushion.

Largest of the bright red Tomatoes. Flat-tish round in shape, and thick from stem to blossom end. Brilliant scarlet-crimson; flesh firm and of superb quality. Pkt. 20 cts., 1/2oz. 85 cts., oz. \$1.50, 1/4lb. \$4.50.

2A 841 **Bonny Best.** A leading early sort. Bright red, medium size. Heavy producer. Pkt. 10 cts., 1/2oz. 55 cts., oz. 95 cts., 1/4lb. \$2.25.

2A 842 **Chalk's Early Jewel.** Uniformly large, bright red, deep, solid fruit. Bears all season; for quantity and quality is without a rival among the extra-earlies. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$2.50.

2A 843 **Climbing.** Runs 15 feet or more, and should be tied to tall stakes or trellis; though even without support it gives a high yield. The most productive Tomato yet tested by us. Large crimson fruits of high quality average 3 1/2 inches across and 2 1/4 inches deep; ideal for slicing or canning. Disease-resistant. Pkt. 20 cts., 5 pkts. 85 cts.

2A 844 **Earliana.** Earliest red Tomato. Plants set freely. Fruits average 3 inches across and 2 1/4 inches deep; solid; few seeds. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1.10, 1/4lb. \$3.50.

Golden Queen. We no longer offer this, but suggest the superior Jubilee in its place.

2A 846 **John Baer.** Early, bright red Tomato. The flesh is solid, possessing a fine flavor, free from acid. Heavy yielder. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$2.50.

2A 847 **Jubilee.** Fine new orange-yellow variety of high quality. Fruits are large, meaty, with few seeds; pleasant non-acid flavors; high in vitamins A and C. Splendid for yellow tomato juice and salads. Quick, husky grower. Pkt. 20 cts., 1/2oz. \$1.

2A 848 **Marglobe.** Large Tomato of the globe type. Fine red color and of delicious table quality. Sets fruits medium early and continuously. It resists wilt and rust. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$2.70.

2A 849 **Oxheart.** Fruits very large, heart-shaped, pink, with very few seeds, meaty,

and of mild flavor. Pkt. 20 cts., 1/2oz. 85 cts., oz. \$1.50, 1/4lb. \$4.50.

2A 850 **Ponderosa.** Size is its chief characteristic. Solid and luscious, deep purple, oblong and with small seed-cells. Frequently weigh one pound. Pkt. 15 cts., 1/2oz. 85 cts., oz. \$1.50, 1/4lb. \$4.50.

2A 851 **Pritchard's Scarlet Topper.** Recommended for yield, meatiness, fine flavor, and small seed-cavity. Early and continuous bearer. A large scarlet fruit, deeply globular in shape, it slices economically. Resists wilt and rust. Pkt. 15 cts., 1/2oz. 70 cts., oz. \$1.25, 1/4lb. \$3.

2A 852 **Rutgers.** Vigorous plant; large, globular, deep red fruits in quantity. Resistant to disease and especially valuable on hillside, light or poor land. Pkt. 15 cts., 1/2oz. 70 cts., oz. \$1.25, 1/4lb. \$3.

2A 853 **Stokesdale.** An early variety, often in 115 days from seed. Heavy producer of fine-quality, half-pound, flattish-globe, scarlet fruits; they have the smallest seed-cavity, and are extra meaty. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$2.75.

2A 854 **Stone.** Main-crop favorite with truckers and canners. Vigorous. Deep red fruits are produced freely; uniform, large, round, smooth, meaty, with little core. Non-acid. Notable for yield and quality. Pkt. 10 cts., 1/2oz. 55 cts., oz. 95 cts., 1/4lb. \$2.25.

2A 855 **Victor.** A new early variety of high quality. The vines are small, and may be planted closer than most others, making it excellent for the home-garden; the fruits are bright scarlet, with a smooth skin. They ripen evenly. Pkt. 15 cts., 1/2oz. 75 cts., oz. \$1.35, 1/4lb. \$3.75.

A Dwarf Tomato

2A 865 **Champion.** Potato-like foliage and a sturdy, stocky plant. Fruits medium size and purple-pink. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1, 1/4lb. \$2.50.

Small-fruited Tomatoes

These are valuable for making pickles, preserves, pepper-hash, etc. Their small size, quaint shapes, and bright colors help to make salads that are attractive, and their pleasing, sweet flavor also makes them desirable.

2A 876 **San Marzano.** Italian scarlet variety, with thick, somewhat dry flesh, for preserves, pastes and sauces. Plants are covered with cylinder-shaped fruits 2 1/2 inches long and 1 1/4 inches thick. Pkt. 25 cts., 1/2oz. \$1.45, oz. \$2.75, 1/4lb. \$7.50.

2A 870 **King Humbert.** Bright scarlet fruits suggest a hen's egg in shape and size.

2A 872 **Red Cherry** 2A 874 **Red Pear**
2A 873 **Red Currant** 2A 871 **Peach**
2A 875 **Red Plum** 2A 878 **Yellow Cherry**
2A 879 **Yellow Pear** 2A 880 **Yellow Plum**
Above nine varieties, each, pkt. 15 cts., 1/2oz. 75 cts., oz. \$1.35, 1/4lb. \$3.75.

2A 869 Strawberry or Husk Tomato

Dwarf, spready plants produce sweet-flavored, yellow fruits about the size of a cherry and enclosed in a husk. Pkt. 15 cts., 1/2oz. 75 cts., oz. \$1.35, 1/4lb. \$3.75.

Forcing Tomatoes

For cultivation under glass

2A 891 **Comet.** Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 20 cts., 1/4oz. 50 cts., oz. \$1.50.

2A 893 **Michigan State Forcing.** A good greenhouse variety. Wilt resistant and highly productive, with five to eleven fruits to a cluster. Medium size fruit, rich, deep scarlet. Flesh firm, thick and of high quality. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.

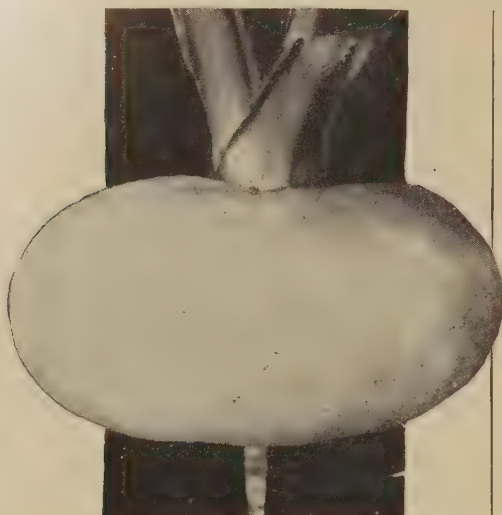
2A 894 **Sunrise.** A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Splendid whole-salad variety. Does very well outdoors also. Pkt. 20 cts., 1/4oz. 45 cts., oz. \$1.50.

9A 7542 SPERGON • Non-Poisonous

For treating all seeds before sowing; protects against fungi which cause decay and damping-off. Assures better germination, healthier plants and better yield. Oz. 25 cts., 5 ozs. \$1, lb. \$2.25.



Rutgers Tomato (Deep red)



Early White Milan Turnip

VEGETABLE MARROW

Occupies an important place in European gardens, and is considered superior by some to squash. Cultivation is similar to that of squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

One ounce plants 50 "hills," and each "hill" should produce 4 to 6 Marrows. Ready in 8 weeks. Good source of vitamin A.

- 2A 922 **Long Green Trailing.** Fruits about 20 inches long and 3 to 4 inches in diameter, with dark green skin, with lighter markings. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.
- 2A 923 **Long White Trailing.** The white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.50.
- 2A 920 **Italian Vegetable Marrow (Cocozelle Squash).** A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Usually gathered when small. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.25.
- 2A 926 **Caserta.** All-America Gold Medal 1949. An improved bush Squash of the Cocozelle type and color, but 10 to 14 days earlier. At prime market stage fruits are around 7 inches long and $1\frac{1}{4}$ ins. through. Yields heavily, and is more pleasing in appearance. Pkt. 25 cts.

SORREL

Sow in spring in drills 6 to 8 inches apart.

One ounce will sow about 100 feet of drill.

- 2A 779 **Garden (Sourgrass).** Pleasant acid flavor. For salads; served boiled like spinach, or in soups. Yields for several years; hardy. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.75, lb. \$7.50.



Long White Trailing Marrow

TURNIP

For early Turnips, sow as soon as the ground opens in spring in rows 15 inches apart and $\frac{1}{2}$ inch deep. Thin 3 inches from plant to plant. Sow again for winter use from June 15 to the middle of July.

Turnips are an outstanding source of vitamins B₁ and C. But serve turnip-tops (leaves) as spinach, boiled lightly, and you have a food of exceptional value: outstanding in vitamins A, C and G, also calcium; a good source of B₁, phosphorus and iron.

One ounce will plant about 150 feet of drill from which 150 pounds or more of Turnips will be dug.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

- 2A 900 **Early White Milan.** Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender and of the most delicate flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- 2A 903 **Purple-Top White Globe.** Spherical, skin white with upper third purple. Superior flavor. Stores over winter. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.85.
- 2A 904 **Snowball.** Early, globe-shaped root; smooth, clean, free from coarseness. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- 2A 902 **Purple-Top Milan.** A flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.85.
- 2A 901 **Long White or Cow-Horn.** Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Yellow-fleshed Turnips

- 2A 910 **Golden Ball or Orange Jelly.** A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- 2A 911 **Yellow Aberdeen.** A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.
- 2A 912 **Yellow Stone.** In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

An All-Leaf Turnip

- 2A 915 **Seven Top.** In this variety there is little root-development. The leaves, however, are numerous and large, and are recommended to those who esteem flavorful, vitamin-packed Turnip-tops. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.25.

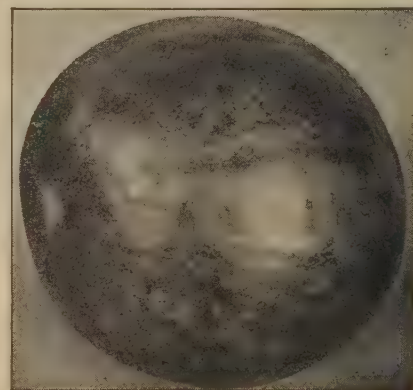
RUTABAGA (Swede)

These keep well through winter when stored in a cool frost-free cellar or in a pit in the garden.

Sow early in rows 18 inches apart. Thin to 6 inches between plants. Sow again from June 15 to July 15 for larger roots and for winter keeping.

- 2A 777 **Long Island Improved.** Fine quality and a splendid keeper. Large; skin smooth, flesh yellow and fine-grained. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.85.
- 2A 775 **American Purple-Top.** Reddish purple top; nutritious yellow flesh; spherical shape. Oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75

Rutabagas are valuable foods for human consumption. American Purple-Top is also grown largely by the farmer for winter feeding of animals. He sows 4 pounds per acre in June in drills 30 inches apart.



Cole's Early Watermelon

WATERMELONS

These are as easily grown as pumpkins or squash, and are recommended for the home-garden if you have the room. After mid-May sow about 8 seeds to a "hill" or group, and have the "hills" 8 feet apart. Thin to 3 plants to a "hill."

One ounce will plant about 35 "hills," and each "hill" should yield 3 to 5 Watermelons. Ready in from 12 to 13 weeks after sowing.

- 2A 933 **Honey Cream.** Flesh creamy yellow, sweet and good. It is quick (maturing in about 12 weeks) and therefore recommended for northern gardens. Fruits are large, nearly round and green, striped darker. Pkt. 20 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.
- 2A 931 **Cole's Early.** A very early home-garden variety for northern states. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.
- 2A 932 **Dixie Queen.** High-quality, bright red flesh of fine texture. Oval fruits, striped dark green on light green; thin but tough skin. Small white seeds. Ships well; good north and south. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.
- 2A 934 **Kleckley Sweets.** The sweetest of all the Watermelons. Long melons with very brittle, unusually thin, glossy dark green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.
- 2A 935 **Tom Watson.** A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.
- 2A 930 **Citron.** Used for preserves. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

ANISE. *Pimpinella Anisum.* (A). Seeds for flavoring. Leaves as salad. 16 in. 2A 940 **Seed only**, pkt. 20 cts., oz. 75 cts.

BALM. *Melissa officinalis.* (P). Culinary. 18 in. 5A 4440 **Plants only**, \$1.30 for 3.

BASIL, SWEET. *Ocimum Basilicum.* (A). Medicinal; culinary. 15 in. 2A 946 **Seed only**, pkt. 20 cts., oz. \$1.

BASIL, LETTUCE-LEAVED. *O. bullatum.* (A). Larger leaves. Culinary. 1½ ft. 2A 945 **Seed only**, pkt. 25 cts., oz. \$1.25.

BEE-BALM (Oswego Tea; Bergamot). *Monarda hybrida.* (P). Fragrant. Medicinal. 3 ft. 5A 4441 **Plants only**, \$1.30 for 3.

BENE. *Sesamum orientale.* (A). Medicinal; flavoring. 18 in. 2A 947 **Seed only**, pkt. 15 cts., oz. 60 cts.

BETONY (Woundwort). *Stachys officinalis.* (P). Medicinal. 3 ft. 5A 4442 **Plants only**, \$1.30 for 3.

BORAGE (Gurkenkraut.) *Borago officinalis.* (A). Culinary. 18 in. 2A 948 **Seed only**, pkt. 20 cts., oz. 75 cts.

BURNET. *Pimpinella sanguisorba.* (P). Leaves for salads. Medicinal. 18 in. 5A 4443 **Plants only**, \$1.30 for 3.

CARAWAY. *Carum Carvi.* (A). Seeds for flavoring. 18 in. 2A 950 **Seed only**, pkt. 20 cts., oz. \$1.

CATNIP. *Nepeta Cataria.* (P). Old sweet herb. 2½ ft. 2A 951 **Seed**, pkt. 25 cts. 5A 4444 **Plants**, \$1.30 for 3.

CHAMOMILE. *Anthemis nobilis.* (P). Medicinal. 1 ft. 5A 4445 **Plants only**, \$1.30 for 3.

CHIVES. *Allium Schoenoprasum.* (P). Mild onion flavor, used as a salad ingredient. 10 in. 2A 952 **Seed**, pkt. 25 cts., oz. \$1.25. 5A 4446 **Plants**, \$1.30 for 3.

CORIANDER. *Coriandrum sativum.* (A). Culinary. 2½ ft. 2A 953 **Seed only**, pkt. 15 cts., oz. 60 cts.

COSTMARY (Alecot). *Chrysanthemum Balsamita.* (P). Aromatic. 2½ ft. 5A 4447 **Plants only**, \$1.30 for 3.

DILL. *Anethum graveolens.* (A). Seeds are an ingredient in dill pickles. 2½ ft. 2A 955 **Seed only**, pkt. 10 cts., oz. 30 cts., ¼ lb. 75 cts.

FENNEL (Finocchio). *Foeniculum vulgare.* (A). Looks like celery but with feathered leaves and a sweet flavor. Leaf-bases are flattened in the type which we offer. Served as a vegetable, raw or cooked, while the seeds are used for flavoring. 2 ft. 2A 958 **Seed only**, pkt. 15 cts., oz. 50 cts., ¼ lb. \$1.50, lb. \$4.

HOREHOUND. *Marrubium vulgare.* (P). Seasoning; medicinal. 18 in. 2A 960 **Seed only**, pkt. 25 cts.

HYSSOP. *Hyssopus officinalis.* (P). Flavoring; medicinal; decorative. 1 ft. 2A 961 **Seed**, Pkt. 20 cts., oz. \$1. 5A 4448 **Plants**, \$1.30 for 3.

HERBS Aromatic Culinary Medicinal

For the Kitchen Garden and for the formal, fragrant, old-time Herb Garden

A, Annual, or treat as an Annual. P, Perennial.

LAVENDER. *Lavandula vera.* (P). Dried flowers impart a fragrance to linen; from them lavender-water is distilled. 2A 964 **Seed**, pkt. 25 cts., ½ oz. 75 cts., ¼ oz. \$1.25. 5A 4449 **Plants**, \$1.30 for 3.

LAVENDER-COTTON. *Santolina incana.* (P). Aromatic; decorative. 5A 4450GN Green foliage or 5A 4450GY gray (state preference). 18 in. **Plants only**, \$1.30 for 3.

LEMON VERBENA. *Aloysia citriodora.* (P). Fragrant. Protect over winter. 4 ft. 5A 4451 **Plants only**, \$1.30 for 3.

MARJORAM, POT. *Origanum vulgare.* (P). Culinary; decorative. 20 in. 5A 4452 **Plants only**, \$1.30 for 3.

MARJORAM, SWEET or KNOTTED. *O. Majorana.* (P). Culinary; aromatic. 2 ft. 2A 967 **Seed**, pkt. 25 cts., oz. \$1.25. 5A 4453 **Plants**, \$1.30 for 3.

MINT, ANISE. *Mentha viridis anisata.* (P). Flavoring. 2 ft. 5A 4454 **Plants only**, \$1.30 for 3.

MINT, APPLE. *M. rotundifolia.* (P). Flavoring. 2½ ft. 5A 4455 **Plants only**, \$1.30 for 3.

MINT, CREEPING. *M. Requienii.* (P). Plant in "crazy pavements." 8 in. 5A 4456 **Plants only**, \$1.30 for 3.

MINT, CURLY. *M. crispa.* (P). Aromatic. 2½ ft. 5A 4457 **Plants only**, \$1.30 for 3.

MINT, LEMON or BERGAMOT. *M. citrata.* (P). Flavoring; aromatic. 8 in. 5A 4458 **Plants only**, \$1.30 for 3.

PEPPERMINT. *M. piperita.* (P). English. Flavoring. 3 ft. 5A 4459 **Plants only**, \$1.30 for 3.

MINT, WOOLLY. *M. tomentosa.* (P). Aromatic. 1 ft. 5A 4460 **Plants only**, \$1.30 for 3.

SPEARMINT. *M. viridis.* (P). The common garden Mint. For Mint sauce, julep, jelly, etc., and for flavoring vegetables in cooking. 2 ft. 5A 4461 **Plants only**, \$1.30 for 3.

PENNYROYAL, ENGLISH. *M. Pulegium.* (P). Aromatic; medicinal; culinary. 1 ft. 5A 4462 **Plants only**, \$1.30 for 3.

ROSEMARY. *Rosmarinus officinalis.* (P). Seasoning; aromatic. 4 ft. 2A 970 **Seed**, pkt. 25 cts., oz. \$1.25. 5A 4463 **Plants**, \$1.30 for 3.

RUE. *Ruta graveolens.* (P). Bitter medicinal

plant. 2½ ft. 5A 4464 **Plants only**, \$1.30 for 3.

SAGE, Common. *Salvia officinalis.* (P). Dried leaves are employed for stuffings and sauces. 15 in. 2A 973 **Seed**, pkt. 25 cts., oz. \$1.75. 5A 4465 **Plants**, \$1.30 for 3.

ST. GEORGE'S HERB (Valerian; Heal-All). *Valeriana officinalis.* (P). Medicinal. 3½ ft. 5A 4466 **Plants only**, \$1.30 for 3.

SAVORY, SUMMER (Bohnenkraut). *Satureja hortensis.* (A). Culinary. 18 in. 2A 974 **Seed only**, pkt. 20 cts., oz. \$1.

SAVORY, WINTER. *S. montana.* (P). Culinary; medicinal; decorative. Mulch over winter. 1 ft. 5A 4467 **Plants only**, \$1.30 for 3.

TANSY. *Tenacetum vulgare.* (P). Culinary. 1 ft. 5A 4468 **Plants only**, \$1.30 for 3.

THYME, CITRON or LEMON. *Thymus citriodorus.* (P). Aromatic; decorative. 10 in. 5A 4469 **Plants only**, \$1.30 for 3.

THYME, COMMON (English Thyme). *T. vulgaris.* (P). Broad leaves. For seasoning foods. Excellent edging plant. 8 in. 2A 981 **Seed**, pkt. 25 cts. 5A 4470 **Plants**, \$1.30 for 3.

THYME, FRENCH. *T. vulgaris.* (P). Smaller plant. 8 in. 5A 4471 **Plants only**, \$1.30 for 3.

THYME, CRIMSON. *T. serpyllum coccineus.* (P). Decorative; aromatic. 1 ft. 5A 4472 **Plants only**, \$1.30 for 3.

MOTHER OF THYME (Creeping Thyme). *T. serpyllum.* (P). Decorative evergreen; culinary. 10 in. 2A 982 **Seed**, pkt. 50 cts., 3 pkts. \$1.25, ½ oz. \$2. 5A 4473 **Plants only**, \$1.30 for 3.

WOODRUFF (Waldmeister). *Asperula odorata.* (P). Aromatic; flavoring; decorative. 8 in. 5A 4474 **Plants only**, \$1.30 for 3.

WORMWOOD, COMMON (Wermuth). *Artemisia Absinthium.* (P). Medicinal; flavoring. 18 in. 2A 986 **Seed**, pkt. 25 cts. 5A 4475 **Plants**, \$1.30 for 3.

WORMWOOD, FRINGED. *A. frigida.* (P). Aromatic. 1½ ft. 5A 4476 **Plants only**, \$1.30 for 3.

MUGWORT. *A. lactiflora.* (P). Fragrant; culinary. 4 ft. 5A 4477 **Plants only**, \$1.30 for 3.

OLD MAN (Southernwood; Lad's Love). *A. Abrotanum.* (P). Aromatic. 3½ ft. 5A 4478 **Plants only**, \$1.30 for 3.

OLD WOMAN (Beach Wormwood; Dusty Miller). *A. Stelleriana.* (P). Decorative. 2 ft. 5A 4479 **Plants only**, \$1.30 for 3.

TARRAGON (Estragon). *A. Dracunculus.* (P). For salads and flavoring vinegar. 5A 4480 **Plants only**, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

YARROW, COMMON. *Achillea Millefolium.* (P). Fragrant. 2½ ft. 2A 989 **Seed**, pkt. 15 cts., oz. 50 cts. 5A 4481 **Plants**, \$1.30 for 3.

YARROW, WOOLLY. *A. tomentosa.* (P). Decorative. 1 ft. 5A 4482 **Plants only**, \$1.30 for 3.

COLLECTIONS OF HERBS

Fragrant Herbs

COLLECTION 5A 4483 12 plants, one each of 12 varieties \$5 00
COLLECTION 5A 4484 36 plants, three each of 12 varieties 14 25

Ornamental Herbs, for the Formal Garden

COLLECTION 5A 4485 12 plants, one each of 12 varieties \$5 00
COLLECTION 5A 4486 36 plants, three each of 12 varieties 14 25

For the Kitchen, Culinary Herbs

COLLECTION 5A 4487 12 plants, one each of 12 varieties \$5 00
COLLECTION 5A 4488 36 plants, three each of 12 varieties 14 25

Culinary Herbs from Seeds

COLLECTION 2A 994: 5 packets, one each of Basil, Caraway, Coriander, Dill, Summer Savory. \$0 75

These annuals are desirable to round off Collection 5A 4487 or 5A 4488, giving you 17 different Culinary Herbs in all.

Scented Geraniums

Charming plants for a sunny situation. In fall they may be cut back hard, potted, and brought indoors for ideal house plants.

We offer nine distinct perfumes:

5A 4489 Balm	5A 4494 Orange
5A 4490 Balsam	5A 4495 Peppermint
5A 4491 Filbert	5A 4496 Rose (Green Leaf)
5A 4492 Lemon	5A 4497 Rose (Variegated Leaf)
5A 4493 Nutmeg	

Above 9, out of pots, for planting in your garden, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Our Nursery Department also offers . . .

5A 4498 PARSLEY PLANTS. Pot-grown, 20 cts. each, \$2.25 per doz. Parsley furnishes more iron than spinach. Excellent source of vitamins A and C and a good source of vitamin B.

QUALITY FLOWER SEEDS

Tiny Capsules of Beauty to Set Your Garden Ablaze with Color



Ageratum

AGERATUM (Floss Flower). *Annual*. Tassel-like clustered flowers, for edging or bedding. Start indoors and transfer to the open in May, or sow outdoors in May.

3A 1010 **Blue Bedder**. Midget; large, deep lavender-blue flowers. 4 in. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

3A 1014 **Midget Blue**. Miniature sort for edging, and a mass of azure-blue flowers. 4 in. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

3A 1012 **Fairy Pink**. Starting to bloom even when half grown. Soft salmon-rose. 5 in. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$2.

3A 1013 **Improved Blue Ball**. Compact plants. Large, blue flowers. 4 in. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

3A 1011 **Blue Perfection**. Large, deep blue. 6 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

ACHILLEA (Yarrow). *Perennial*.

3A 1002 **Parmica, The Pearl**. White; $2\frac{1}{2}$ ft. Small, double flowers in dense flat clusters. Pkt. 15 cts., 5 pkts. 60 cts.

3A 1003 **Millefolium roseum**. Pink. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

3A 1005 **ACONITUM Wilsoni** (Monkshood). *Perennial*. Mid-blue; 6 ft. Long spikes of helmet-shaped flowers until November. Pkt. 25 cts., $\frac{1}{16}$ oz. \$1, $\frac{1}{8}$ oz. \$1.75.

3A 1006 **Napellus**. *Perennial*. Blue, 3 to 5 ft. Pkt. 20 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

3A 1008 **ACROCLINIUM** (Everlasting). *Annual*. Chaffy, double, daisy-like flowers; for dried bouquets. 20 in. Mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

3A 1020 **AGROSTEMMA Coronaria** (Rose Campion; Mullein-Pink; Dusty Miller). *Perennial*. Woolly leaves and stems, with 1-inch terminal five-petal flowers of brilliant crimson. $2\frac{1}{2}$ ft. June to Sept. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

ANCHUSA (Alkanet). Striking hairy-leaved plants with large, myosotis-like flowers.

3A 1037 **Italica, Dropmore Variety**. *Perennial*. Gentian-blue flowers, July to Sept. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

3A 1038 **Myosotidiflora**. *Perennial*. Mass of blue. $1\frac{1}{2}$ ft. Pkt. 25 cts., 5 pkts. \$1.

3A 1036 **Annual, Blue Bird**. Dwarf, compact type, with vivid indigo-blue blossoms. Flowers in three months. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

SWEET ALYSSUM • *Madwort*

Popular annuals, ideal for edging. Sow in the open in spring where they are to flower, and thin or transplant to 6 inches apart. Or start them indoors and transfer to the garden.

3A 1025 **White Carpet**. (*A. compactum*). *Annual*. White; 3 in. Flowers smoother the plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

3A 1021 **Annual Yellow**. (*A. lutescens*). *Annual*. Pale yellow, fading white. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

3A 1023 **Little Gem** (*A. maritimum*). *Annual*. White; 6 in. Each plant covers a circle of 12 to 20 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

3A 1022 **Sweet Alyssum** (*A. Benthami*). *Annual*. White; 9 in. Well known; fragrant. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts. $\frac{1}{4}$ lb. \$1.75.

3A 1024 **Violet Queen**. *Annual*. Dwarf and free flowering. Fragrant deep violet blossoms. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

3A 1027 **Saxatile compactum** (Golden Rain). *Perennial*. Yellow; 15 in. Rock or border plant; bright yellow flowers from April to June. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

3A 1028 **Saxatile, Silver Queen**. *Perennial*. Lemon; 15 in. Early-blooming; appreciated for its masses of the palest lemon flowers. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

3A 1029 **Perennial Rock Species, Mixed**. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

ANEMONE (Windflower). *Perennial*. These types are for growing under glass; they need winter protection outdoors. 1 ft.

3A 1041 **Giant de Caen, Mixed**. Giant French Anemone. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

3A 1040 **Blue Poppy**. Fine; all-blue. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

3A 1042 **His Excellency**. Scarlet-red. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

3A 1043 **St. Brigid, Creagh Castle Strain, Mixed**. Variety of colors. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

ANTHEMIS. *Perennial*. Scented foliage.

3A 1046 **Kelwayi** (Marguerite). Large, yellow daisy flowers. 2 ft. July-Sept.

3A 1047 **Tinctoria**. Fine-cut foliage with 2-inch yellow flowers. 3 ft. June-Oct.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50



Arctotis



Sweet Alyssum

AMARANTHUS. *Annual*. Brilliant-foliated plants, some bearing curious flowers.

3A 1032 **Molten Fire**. Scarlet; 4 ft. Bronze foliage tipped with fiery scarlet. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

3A 1033 **Tricolor** (Joseph's Coat). $2\frac{1}{2}$ ft. Leaves red, yellow, and green. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

3A 1153 **ARABIS alpina** (Rock-Cress). *Perennial*. White; 1 ft. Spreading tufts flower in Apr. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

3A 1154 **Alpina rosea**. *Perennial*. Pink; 1 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

ARCTOTIS (African Daisy). *Annual*. Woolly leaves and daisy-like flowers.

3A 1157 **Grandis**. Lilac; 3 ft. Large flowers, showy, white above, lilac-blue beneath. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

3A 1158 **Sawco Hybrids**. 1 ft. Coppery rose, red, crimson, orange, gold, cream. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

ARMERIA (Sea Pink; Thrift). *Perennial*. Useful and effective, tufted rock-garden plants with reed-like leaves and dense, ball-shaped flowers from June to August.

3A 1160 **Formosa, Large-flowering Hybrids**. Mixed colors; 16 in. Pink, red, carmine. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

3A 1162 **ASCLEPIAS tuberosa** (Butterfly Weed; Pleurisy Root; Orange Milkweed). *Perennial*. Showy orange clusters; $2\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

3A 1165 **ASPARAGUS plumosus nanus**. Greenhouse Plant. For house or conservatory. Fine fern-like foliage; indispensable for use with cut-flowers.

3A 1166 **Sprengeri**. Greenhouse Climber. For hanging-baskets or table decoration. Leaflets 1 inch long.

Each, pkt. 25 cts., 100 seeds 75 cts., 500 seeds \$2, 1000 seeds \$5

AUBRIETA (False Wall Cress). *Perennial*. Rock-plants, forming mats of foliage with blue flowers in spring and summer. 6 in.

3A 1271 **Græca**. Light blue. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

3A 1272 **Large-flowering Hybrids, Mixed**. Wide color-range. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

3A 1274 **BALLOON VINE** (Love-in-a-Puff). *Annual Climber*. This decorative subject will grow to 10 feet and cover fences, arbors, trellises, etc. Small white flowers are followed by 1-inch inflated fruits, nearly globular and three-angled. Interesting plant. Native of Bermuda, Florida and Texas. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., oz. 50 cts.

Rust-Resistant Outdoor Antirrhinums • Snapdragons

Of simple culture, with hooded florets on long spikes. Excellent border and bedding plants. Mass plantings make an excellent show, and for cutting they are ideal.

Treat as Annuals. Sow seed in open ground early in May, or indoors in March for transplanting. More than 75 per cent of the plants resulting from seed of the following three types will be absolutely rustproof.

Up-to-Date Tetra Snapdragons

These are the result of modern scientific effort: with aid of the new drug, Colchicine, a race of Snapdragons has been developed that has largest flowers of any known. Basal-branching plants are tougher, more vigorous, with leather-like leaves and stouter stems. Many of the blossoms are ruffled, and there is every color you have seen.

3A 1048 **Tetra Mixed.** Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Maximum (Super-Giants; 3 ft.)

For the back of your annual border.

3A 1049 **Alaska.** Pure white.
3A 1051 ***Apple Blossom.** Light pink.
3A 1055 ***Canary Bird.** Canary; deeper lip.
3A 1057 **Copper King.** Copper; gold lip.
3A 1058 ***Copper Queen.** Bronze, blended old-gold.
3A 1059 ***Crimson.** Deep crimson.
3A 1060 ***Loveliness.** Soft rose-pink.
3A 1061 **Swingtime.** Large pink florets, tipped yellow, and with a white throat.
3A 1063 **Yellow Giant.** Closely placed flowers on large trusses; the deepest yellow.
Each, pkt. 25 cts., $\frac{1}{8}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50
3A 2930 **COLLECTION: 5 varieties marked (*), \$1**

3A 1065 **Maximum, Mixed.** Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Majus or Tall (2½ ft.)

For middle distance of annual border.

3A 1079 **Velvet Giant.** Bronze Medal, All-America Seed Trials for 1947. Strong, base-branching plants bear long flowering spikes of huge florets. Color is a remarkable velvety crimson-red, ennobled with a bronze-orange glow. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.75, $\frac{1}{4}$ oz. \$3.
3A 1067 **Cherry Rose.** Plants tall, uniform, branching from base. Long, sturdy spikes have large, well-placed florets, that are a bright hue of intense cherry-pink.
3A 1073 **Reveille.** Deep, luminous yellow with upper lip toning to light lemon. May bear twenty 10-in. spikes of very big florets.
3A 1074 **Rosalie.** Topaz-rose with darker center and a golden flush over all.
3A 1066 ***Buttercup.** Canary-yellow.
3A 1068 ***Daintiness.** Deep pink.
3A 1070 ***Harmony.** Terra-cotta and rose.
3A 1071 ***Pinkie.** Clear pink.
3A 1076 ***Scarlet (Defiance).** Scarlet-red.
3A 1077 ***Shasta.** Pure white.

Each, pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

3A 2931 **COLLECTION: 6 pkts., one each above marked (*), \$1**

3A 1081 **Majus, Mixed.** Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Antirrhinum Nanum

(Dwarf Plants; 1½ ft.)

3A 1082 **Amber and Gold.** The color effect is terra-cotta; the tips of the pink-throated florets are golden and hoods amber.
3A 1084 **Carmine-Rose.** Carmine-rose; yellow lip.
3A 1085 **Du Barry.** A new color—flaming rose-salmon, shaded with gold, a self-hue, except for a yellow spot on the lower lip.

Antirrhinum Nanum, continued

3A 1087 **Garnet.** Rich velvety crimson.
3A 1088 **Indian Girl.** Old-gold.
3A 1090 **Wildfire.** Orange-scarlet; yellow lip.
Each, pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1
3A 2932 **COLLECTION: Pkt. each, above 6 \$1**
3A 1092 **Nanum grandiflorum, Mixed.**
Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Greenhouse Antirrhinums

Of Special Interest to Producing Florists

To obtain a succession of bloom, monthly sowings are usually made, starting in July.

3A 1093 **Afterglow.** Bronze. Pkt. \$1.
3A 1094 **America.** Brilliant rose-pink with orange lip, blending into pure lemon. Fine winter bloomer. Pkt. \$2.
3A 1096 **Bertha Baur.** Lavender. Pkt. \$1.
3A 1097 **Better Times.** Real American Beauty rose color. Pkt. \$2.
3A 1100 **Ceylon Court.** Yellow. Pkt. 50 cts.
3A 1102 **Cheviot Maid Supreme.** Dark rose-pink. Pkt. 75 cts.
3A 1105 **Christmas Cheer.** Fine rose; midwinter. Heavy yielder. Pkt. \$1.50.
3A 1106 **Ethel.** Early golden yellow. Pkt. \$1.50.
3A 1108 **Glorious.** Bright scarlet-bronze. Early. Pkt. \$2.
3A 1109 **Hodaly's Ideal.** Prize-winner. Carmine, shading to orange and lavender, tipped yellow; white throat. Pkt. \$2.
3A 1111 **Junglewood White.** New York Florists' Club Silver Medal. Pure white; deep green foliage; long stems. Pkt. \$2.
3A 1112 **Junglewood Yellow.** A rich yellow by the introducer of Junglewood White. Strong grower. Pkt. \$2.
3A 1114 **Klondyke Supreme.** Very deep yellow. Early. Pkt. \$1.50.
3A 1115 **Koster's White.** One of the best and most popular pure white Snaps. Vigorous grower, producing long and strong stems. Pkt. \$2.
3A 1117 **Lady Dorothy.** New York Florists' Club Silver Medal. Beautiful reddish bronze. Early. Pkt. \$3.
3A 1118 **Lucky Strike.** White. Pkt. \$1.
3A 1119 **Marie Louise.** Shell-pink. Pkt. \$2.
3A 1121 **Maryland Pink.** Pastel pink. Pkt. \$3.
3A 1122 **Radiance.** Large; rose-pink. Pkt. \$1.
3A 1126 **St. Louis Early Pink.** One of the best. Pkt. \$2.
3A 1129 **Talisman.** Florets are semi-double and double; color is a combination of rose and golden bronze. Early. Pkt. \$2.
3A 1131 **Velvet Beauty.** Rose-red. Pkt. \$1.
3A 1133 **Westover's Fringed White.** Reliable sort; beautiful white, cream tip. Pkt. \$1.
3A 1135 **White Wonder Improved.** Finest pure white; large spikes. 5 ft. Pkt. \$1.50.

Midget Antirrhinum

Height 6 in. (Not Rustproof)

3A 1139 **Rock Hybrids.** Valuable for edgings and the rock-garden. Early, continuous. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.



Antirrhinum maximum

Asters Resistant to Wilt

Annual. Asters should have an open, sunny position, and prefer a good, rich, foamy soil; do not grow them on the same ground two years in succession. Seeds may be started in a sunny window, hotbed or coldframe in March and transferred to the garden as soon as danger of frost has gone. May also be sown outside in May. Allow 1½ feet between plants.

All colors are now available in varieties that are highly wilt-resistant. They are not claimed to be entirely immune, however, although they are very robust and less likely to be affected than old-time sorts.

3A 1170 Aurora, Golden Sheaf. The deepest yellow Aster. The flowers are perfectly double; of the Princess type, with a full, crest-like center. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

3A 1171 Ball's White. Finest midseason white Aster. The flowers are 4 inches in diameter. Broad petals are slightly folded lengthwise. Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

3A 1173 Blue Flame. Bright navy-blue. Large, Comet-like flowers, fully double. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 1172 Heart of France. The plants grow about 2 feet high and bear their large, rich deep ruby-red flowers on long strong stems. Pkt. 15 cts., ¼oz. 85 cts., oz. \$3.

QUEEN OF THE MARKET. Well-known; early; branching habit. 1½ ft.

3A 1177 Ballet Queen. Deep salmon-rose.

3A 1186 White **3A 1185 Scarlet**

3A 1178 Crimson **3A 1181 Flesh-Pink**

3A 1180 Dark Blue **3A 1183 Light Blue**

3A 1184 Rose

Any of above, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 1189 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2933 COLLECTION: Pkt. each, above 8 colors, 85 cts.

EARLY ROYAL. (Branching Type). Early-flowering form. July.

3A 1197 White **3A 1192 Purple**

3A 1191 Lavender **3A 1195 Shell-Pink**

3A 1193 Rose-Pink **3A 1194 Scarlet**

Each color, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 1200 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2934 COLLECTION: Pkt. each, above 6 colors, 60 cts.



Asters, Late Branching



Asters, Giant Sunshine

IMPROVED CREGO, or OSTRICH-FEATHERED. (Comet Type.) Finest of the Comet Asters. Long-stemmed flowers are 5 inches across.

3A 1207 Orchid **3A 1208 Shell-Pink**

3A 1205 Deep Rose **3A 1202 Crimson**

3A 1204 Dark Blue **3A 1210 White**

3A 1201 Azure-Blue

Any of above, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 1212 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2935 COLLECTION: Pkt. each, above 7 colors, 75 cts.

PRINCESS. These are wonderful for cut-bloom. The handsome flowers have a bomb-shaped center, ringed with several tiers of ray-florets. 2 ft.

3A 1213 Princess Annie. Peach-blossom.

3A 1214 Princess Barbara. Orchid.

3A 1216 Princess Bonnie. Rose-salmon.

3A 1218 Princess Linda. Pure rose.

3A 1217 Princess Marsha. Rich cinnamon-scarlet.

3A 1220 Mixed Princess. Splendid blend.

Each, pkt. 25 cts., ¼oz. \$1, oz. \$3.50

EARLY GIANT. The flowers are fully double, 4 to 5 inches across and are wonderful for room decoration. 2½ ft.

3A 1225 Peach Blossom. Lavender-pink.

3A 1221 Light Blue. Bright, light hue.

3A 1223 Rose Marie. Rose-color, bright and rich.

Any of above, pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.75, oz. \$6

3A 2936 COLLECTION: Pkt. each, above 3, 60 cts.

MIDSEASON GIANTS. Flowers often measure 6 inches in diameter and fully double.

3A 1226 Azure-Blue **3A 1232 White**

3A 1227 Lilac **3A 1229 Purple**

3A 1231 Shell-Pink **3A 1228 Rich Rose**

Each color, pkt. 25 cts., ¼oz. 75 cts., oz. \$2.50

3A 1235 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2937 COLLECTION: Pkt. each, 6 colors, \$1

BEAUTY. This type comes into bloom in September and is at its best through October. The plants grow nearly 3 feet high and bear their very large, dense flowers on long stems.

3A 1240 Flesh-Pink **3A 1242 Purple**

3A 1239 Deep Rose **3A 1243 White**

3A 1236 Azure-Blue **3A 1237 Crimson**

Each color, pkt. 15 cts., ¼oz. \$1, oz. \$3.50

3A 1246 Mixed. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 2938 COLLECTION: Pkt. each, above 6 colors, 75 cts.

LATE BRANCHING. The flowers are of extraordinary size and stand erect on long, graceful stems, well above the foliage.

3A 1251 Pure White **3A 1250 Purple**

3A 1256 Shell-Pink **3A 1247 Crimson**

3A 1253 Rose-Pink **3A 1249 Lavender**

3A 1254 Sensation (red)

Each color, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 1258 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2939 COLLECTION: Pkt. each, above 7 colors, 75 cts.

SINGLE COMET. Very decorative. Large blooms measure 5 to 6 inches across. In a choice blend of colors.

3A 1259 Mixed. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Sunshine Aster

GIANT SUNSHINE. Not wilt-resistant. Individual blooms are enormous, 4 to 6 inches across, with cushiony center of tubular florets and rims of pointed outward florets. 3 ft.

3A 1261 Mixed Colors. Pkt. 25 cts., ¼oz. \$1, oz. \$3.

Hardy Perennial Asters

Michaelmas Daisy; Starwort

These are readily grown from seed sown in spring or early summer to bloom next year.

3A 1263 Alpinus (Rock Aster.) Large soft blue flowers. Good rock-garden plant. 9 in.

May, June. Pkt. 25 cts., ¼oz. \$1.25, ¼oz. \$2.

3A 1265 Alpinus albus. White form of the above. Pkt. 25 cts., ¼oz. \$1, ¼oz. \$1.50.

3A 1267 Alpinus Mixed. Blues, purples, violets and whites. Average height 1 ft.

Pkt. 25 cts., ¼oz. \$1, oz. \$3.50.

3A 1269 Wartburg Star. Bright lavender-blue, with pronounced yellow centers. Long stems. Excellent for cutting. 2 ft.

Pkt. 50 cts., 3 pkts. \$1.25, ¼oz. \$3.50.



Hardy Asters, Alpinus albus



Aquilegia, Long-spurred

AQUILEGIA • Columbine

Perennial. Graceful spurred flowers, often two-colored, on long stems; spring. 2½ ft.

3A 1152 **Sawco Colossal**. Outstanding mixture. The enormous flowers measure about 5½ inches across and are exceptionally long-spurred. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2, ¼oz. \$3.50.

Long-spurred Columbines.

3A 1141 **Blue Shades**

3A 1144 **Scarlet Shades**

3A 1143 **Pink Shades**

3A 1146 **Mixed Shades**

Above 4, each, pkt. 25 cts., 5 pkts. \$1, ½oz. \$1.50, ¼oz. \$2.50

3A 1147 **Crimson Star**. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

3A 1148 **Cœrulea**. Violet-blue and white; 2 ft. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.25, ¼oz. \$2.

3A 1151 **Longissima**. Yellow; 2½ ft. Spurs often 4 in. long. Pkt. 50 cts., 3 pkts. \$1.25.

3A 1150 **Longissima Hybrids**. Broad petals and long spurs. Colors red, blue, white and rose. Pkt. 50 cts., 3 pkts. \$1.25.



Brachycome

3A 1323 **BOCCONIA cordata** (Plume Poppy; Tree Celandine). Perennial. Foliage glaucous green. Bears spikes of cream-colored flowers 2 to 3 feet long. 5 ft. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

BALSAM

Lady's Slipper

Annual. Pyramid-shaped plants, ordinarily with a single main stem bearing brilliant double flowers shaped like camellias. Showy flower-bed subjects.

3A 1279 **Double Camellia-flowered, Mixed**.

Self-colors, also spotted, blotched and striped varieties. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Double Bush-flowering Balsams

In this new type the plants are basal-branching to form neat bushes; covered with double flowers. Excellent bedding plants.

3A 1282 **White**

3A 1285 **Mixed**

3A 1281 **Scarlet**

3A 1280 **Rose**

Each, pkt., 25 cts., ¼oz. 75 cts., oz. \$2.50

BELLIS (English Daisy). Familiar dwarf hardy perennial with bright double flowers. Excellent for edging spring flower-beds. Stands the winter if given protection. Sow in early summer to bloom the following year. Improved giant-flowering strain.

3A 1315 **Giant Pink**

3A 1316 **Giant White**

3A 1318 **Giant Mixed**

Each, pkt. 25 cts., ¼oz. \$1, ½oz. \$1.50

3A 1319 **Double Red Quilled**. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50, ¼oz. \$2.50.



Balsam

3A 1324 **BRACHYCOME** (Swan River Daisy or Annual Cineraria). Annual. 1½ ft. Dwarf plant of Australian origin, covered with a profusion of flowers. Mixed, pkt. 10 cts., ¼oz. 60 cts., oz. \$2.

BROWALLIA (Amethyst). Annual. Beautiful rich blue tubular flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

3A 1325 **Sapphire**. 10 in. Dark blue flowers; white eye. Pkt. 25 cts., 5 pkts. \$1.

3A 1328 **CACTUS SEED**. Sow this interesting novelty thinly, in porous soil, under glass or in the home; and later, transplant into individual pots. Mixed varieties. Pkt. 35 cts., 3 pkts. \$1.

BEGONIAS

The following varieties of *Begonia semperflorens* and *B. gracilis* rank as bedding plants with geraniums and coleus doing equally well in full sunlight, and surpassing both in shady positions. They grow about 1 foot high, and form dense bushes which, from May until frost, are hidden with flowers. As pot-plants they are a mass of bloom all year.

Semperflorens Type

3A 1291 **Coral Prize**. Deep coral-pink self-colored flowers.

3A 1295 **Indian Maid**. Deep blackish brown foliage and brilliant orangy scarlet flowers about 1 inch in diameter.

3A 1294 **Ile de France**. Symmetrical plants are smothered under pure white flowers.

3A 1292 **King of the Reds**. Glowing scarlet. The green leaves are edged bronze.

3A 1297 **Zahringer**. Flowers 1½ to 2 inches across, rose-pink shading to white in center.

Each of the above, pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75

3A 1288 **Christmas Cheer**. Plants covered with 2-inch, cherry-red flowers.

3A 1289 **Christmas Pink**. The color is a beautiful shade of bright pink.

Above 2, each, pkt. 25 cts., 5 pkts. \$1

Gracilis Type

3A 1300 **Adeline**. Bright pink, green foliage; dwarf.

3A 1301 **Carmen**. Dwarf; not over 15 inches. The 1-inch flowers are clear pink; foliage a dark, shining bronze.

3A 1303 **Luminosa**. Brilliant dark scarlet.

3A 1304 **Luminosa compacta**. Scarlet-red flowers in great profusion. 5 in.

3A 1306 **Prima Donna**. Light rose, shaded carmine.

3A 1307 **Pure White**. Green foliage; dwarf, compact plant. Very effective.

Above 6, each, pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75

Tuberous-rooted Begonias

Large-flowering

Grow indoors and out (during summer).

3A 1311 **Single, Mixed**.

3A 1312 **Double, Mixed**.

Each, pkt. \$1, 3 pkts. \$2.50



Tuberous-rooted Begonias

CALENDULA • Pot Marigold

Annuals. Daisy-like flowers. Sow outdoors in spring, or earlier indoors and transplant. Grow under glass during winter. 2 ft.

- 3A 1341 **Yellow Colossal.** Largest in cultivation, with flowers $4\frac{1}{2}$ inches across, double and clear, very light, bright yellow. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
- 3A 1337 **Double Art Shades.** Pastel hues of cream, apricot, yellow, tangerine, etc. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.
- 3A 1335 **Campfire** (Sensation). Best forcing Calendula. Flat blooms large, brilliant orange, with scarlet sheen. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
- 3A 1340 **Radio.** Globular flowers, quilled florets; deep yellow. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
- 3A 1336 **Chrysanth.** Large, double, buttercup-yellow globe-shaped flowers, large, drooping chrysanthemum-like florets. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.
- 3A 1339 **Orange Shaggy.** Florets overlap and flower looks like a chrysanthemum. Deep orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.
- 3A 1338 **Orange Fantasy.** Orange blooms are $3\frac{3}{4}$ inches across; center mahogany-bronze. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Pacific Beauty Calendulas

Ultra-modern. Plants bigger over all, and half foot taller. Flowers larger, more resistant to summer heat; have longer florets, with colors clear, bright and new.

- 3A 1349 **Persimmon Beauty.** Brilliant persimmon-orange.
- 3A 1348 **Lemon Beauty.** Lemon-yellow.
- 3A 1347 **Apricot Beauty.** True apricot.
- Above three, each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

Popular King Calendulas

- 3A 1352 **Gold King** 3A 1354 **Orange King**
- 3A 1353 **Lemon King**
- Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25
- 3A 2940 **COLLECTION:** Pkt. each, above 3, 35 cts.; $\frac{1}{4}$ oz. each of above 3, \$1
- 3A 1368 **Cut-Flower Mixture.** All colors and types. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

BALL'S STRAIN CALENDULAS

- 3A 1361 **Orange Improved.**
- 3A 1359 **Gold Improved**
- 3A 1360 **Masterpiece** 3A 1358 **Apricot**
- 3A 1362 **Supreme**
- Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50



Calendula, Campfire

CALCEOLARIA (Slipperwort). Greenhouse or Bedding Plant. Pouch-like flowers.

3A 1329 **Giant Strain.** English. Enormous blooms; very fine. Mixed colors.

Multiflora Nana Type

- 3A 1330 **Cloth of Gold.** Large trusses of immense blooms; pure deep yellow.
- 3A 1331 **Indian Prince.** Orange-scarlet.
- 3A 1332 **Mixed.** Ideal for bedding; small flowers in great profusion. All combinations of yellows, orange and brown.
- Above, each, pkt. 50 cts., 3 pkts. \$1.25

CAMPANULA • Bellflower

Canterbury Bells

Campanula Medium

Biennial. One-inch bells on long spikes. Sow June to September; transplant 9 inches apart; after frost, protect with leaves. They flower the following June, then die.

SINGLE

- 3A 1384 **White** 3A 1382 **Light Blue**
- 3A 1381 **Dark Blue** 3A 1387 **Mixed**
- 3A 1383 **Rose**
- Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50
- 3A 1388 **Double Canterbury Bells.** All colors mixed. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Annual Canterbury Bells

Sown in gentle heat during February and March, and the seedlings planted out, the plants will bloom in September.

- 3A 1392 **Choice Mixed.** Scintillating colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 55 cts., oz. \$1.75.

Cup-and-Saucer Bells

Campanula calycanthema

Biennial. Large, single flowers. Both calyx and corolla are colored.

- 3A 1396 **White** 3A 1394 **Light Blue**
- 3A 1393 **Dark Blue** 3A 1397 **Mixed**
- 3A 1395 **Rose**
- Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Perennial Campanulas

These are among our best border plants. Some will flower the first season from seed.

- 3A 1401 **Carpatia.** Blue. Largely used for edging. Flowers all summer. 6 in.
- 3A 1402 **Carpatia alba.** White form. 6 in. Above two, each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50
- 3A 1404 **Garganica.** Rock-plant. Clear deep blue; white eye. Trailing. 4 in. July. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{2}$ oz. \$2.50.
- 3A 1405 **Persicifolia grandiflora, Blue** (Peach Bells). A 3-ft. pyramid, with large bells.
- 3A 1406 **Persicifolia grandiflora alba.** White. Above two, each, pkt. 25 cts., $\frac{1}{2}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.
- 3A 1407 **Persicifolia grandiflora, Telham Beauty.** Large flowers of china-blue; in the bells a beautiful silvery shading. 4 ft. Pkt. 35 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.
- 3A 1410 **Wedgwood.** Improved *C. persicifolia* with larger flowers of deeper violet-blue. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.
- 3A 1411 **Pyramidalis** (Chimney Bellflower). Erect pyramid with beautiful blue flowers. 4 ft. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.
- 3A 1412 **Pyramidalis, White.** Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.
- 3A 1414 **Rotundifolia, Olympica.** Improved Harebell or "Bluebells of Scotland." Light blue flowers; stands shade. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25, $\frac{1}{2}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

CALLIOPSIS and COREOPSIS

Showy annuals and perennials. Long-stemmed flowers are mostly yellow and daisy-shaped, center tuft and ray-florets are wide, fluted, and frequently notched on margin.

ANNUAL CALLIOPSIS

- 3A 1372 **Gold Crest.** Rich golden yellow, chestnut-brown center. 1 ft.
- 3A 1371 **Crimson King.** Crimson-garnet. 10 in.
- 3A 1374 **Marmorata.** Yellow and red. 2 ft.
- 3A 1376 **Tiger Star.** Rich reddish brown, striped golden yellow. 10 in.
- 3A 1375 **Nigra speciosa.** Red-brown. 2 ft.
- 3A 1373 **Golden Crown.** Mixture of gold and orange types; many double florets. Excellent for cut-bloom; fragrant. $1\frac{1}{2}$ -2 ft. Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25
- 3A 2941 **COLLECTION:** Pkt. each 6 varieties, 50 cts.

- 3A 1380 **Alldouble Mixed.** Selection of tall doubles. 2 to $2\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

PERENNIAL COREOPSIS

- 3A 1577 **Grandiflora, Double Sunburst.** Brilliant golden yellow flowers, 80 per cent of them fully double and $3\frac{1}{4}$ inches across. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
- 3A 1578 **Mayfield Giant.** Single. More vigorous than the type; larger flowers on longer stems. More intense yellow. $3\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

CANDYTUFT • Iberis

Popular fragrant plant, with bright flowers in flat clusters, for bedding or border work. Sow outdoors in April and thin to 9 inches. Sow also in July for fall.

- 3A 1418 **Giant Hyacinth-flowered.** Flowers large, white, borne in big trusses well above foliage. For cutting or border. $1\frac{1}{4}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.
- 3A 1419 **The Gem.** A miniature form. Trusses of large white flowers are pushed above the plant, which is only 4 inches high. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Mammoth-flowered Candytuft

Large-flowered dwarf type, for edging, bedding, and for the annual border. 10 in.

- 3A 1420 **Carmine** 3A 1421 **Crimson**
- 3A 1423 **Lavender** 3A 1425 **White**
- 3A 1424 **Rose-Cardinal**
- 3A 1422 **Flesh-Pink**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

3A 2942 **COLLECTION:** Pkt. each, above 6 colors, 50 cts.

- 3A 1428 **Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Perennial Candytuft

Very desirable plant for rock- and wall-gardens, having almost evergreen foliage which is completely covered with dense heads of flowers. Blooms in May and June.

- 3A 1429 **Gilbaltaria.** White, shaded pink-purple. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.
- 3A 1430 **Sempervirens.** Strong-growing with large heads of white flowers. 15 in. Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

- 3A 1432 **CARDINAL CLIMBER** (Star Glory; *Ipomaea Quamoclit cardinalis*). Rapid-growing, annual climber, to 30 feet. Fern-like foliage, cardinal-red flowers $1\frac{1}{2}$ inches across are borne in clusters. Sow seeds indoors in April, outdoors in May. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.



Carnation, Enfant de Nice

CARNATIONS

Annual Varieties

ENFANT DE NICE. Upright; flowers $2\frac{1}{2}$ to 3 inches in diameter. Colors about 75% true from seed, and plants about 90% double.

3A 1433 Red 3A 1436 Striped
3A 1434 Rose 3A 1437 White
3A 1435 Salmon 3A 1440 Mixed

Each, pkt. 35 cts., 3 pkts. \$1

GIANT DOUBLE KING. Sow outdoors in spring, or earlier indoors. Plant seedlings 6 inches apart. Flowers full, sweetly perfumed. Allow one flower to a stem.

3A 1441 Maroon King
3A 1444 Rose King
3A 1443 Red King
3A 1442 Pink King
3A 1445 White King
3A 1446 Yellow King
3A 1449 Mixed, All Colors

Each, pkt. 25 cts., $\frac{1}{8}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50

3A 2943 COLLECTION: Pkt. each, above 6 colors, \$1.25

Perennial Varieties

Dwarf Grenadin. Early, double, large flowers. Sower early to bloom first year. 14 in.

3A 1454 Yellow 3A 1452 Scarlet
3A 1451 Rose Queen 3A 1457 Mixed
3A 1453 White

3A 1450 King of the Blacks

Each, pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

3A 1463 **CATANANCHE cœrulea** (Cupid's Dart). Perennial, flowering first year. -Daisy-like, everlasting blue flowers. 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

CELOSIA Childsi (Chinese Woolflower). Large silky flower-heads. 3A 1464 Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Scene in our New York Store. Flower seeds are in center rear.

CELOSIA PLUMOSA

Feathered Cockscomb

For beds or groups. Flowers are plume-like; dry them for winter bouquets. 2 ft.

3A 1465 Crimson 3A 1467 Mixed

3A 1466 Yellow

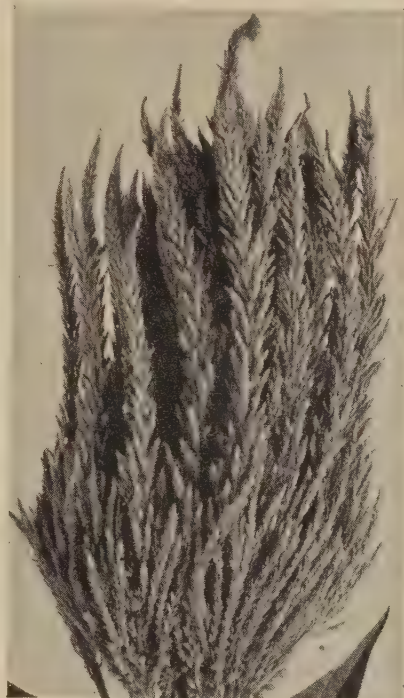
Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75

3A 1471 Fiery Feather. Red and pink.

3A 1470 Golden Feather. Yellow.

Each, pkt. 25 cts., $\frac{1}{8}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50

3A 1473 **Thompsoni magnifica, Improved Strain, Mixed.** Pyramidal; feathery plumes; magnificent shades. $2\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.



Celosia plumosa

3A 1472 **CELOSIA, Pride of Castle Gould.** Pyramidal plants; immense feathered heads of blood-red, wine-red, scarlet, carmine, salmon, orange and gold. 2 to 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50.

CELOSIA cristata (Cockscomb). Brilliant annuals with flowers in tight clusters. Sow indoors early or outdoors in May. 1 ft.

3A 1478 Empress. Rich crimson.

3A 1479 Glasgow Prize. Dark crimson.

Each, pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

3A 1483 Dwarf, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1487 Royal Velvet. Produces a large-centered crimson flower, surrounded by smaller clusters on basal branches. 2 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts.

Gilbertia Cockscombs (3 ft.)

3A 1484 Gilbert's Maple Gold. Each maple-pink head is tipped brilliant gold.

3A 1485 Gilbert's Green Gold.

3A 1486 Gilbert's Rose Beauty.

Above, the loveliest of all Cockscombs, each, pkt. 25 cts.

CASTOR-BEAN (*Ricinus*; *Palma Christi*).

Annual. Tall, tender plants. Oil is expressed from the curious seeds. 3A 1458 Mixed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

CENTAUREA

Cornflower; Sweet Sultan

Annuals and Perennials

Annuals are popular; they grow almost anywhere; excellent cut-flowers. The perennial types are good cut-flowers also, while the Dusty Millers are valuable for edging.

CENTAUREA Cyanus (Cornflower; Blue Bottle; Bachelor's Button; Bluet; Ragged Sailor). Annual. Sown outdoors in April, and at intervals later for a succession of bloom. Let stand 8 inches apart. 3 ft.

3A 1490 Blue Boy.

3A 1489 Black Boy. Maroon.

3A 1491 Pinkie. Rose.

3A 1492 Red Boy. Deep red.

3A 1493 Snow Man. White.

3A 1497 Mixed.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

3A 2944 COLLECTION: Pkt. each, 5 colors, 60 cts.

3A 1494 **Jubilee Gem.** Double flowers of brightest blue cover the plant. Suitable both for outdoors and greenhouse culture. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1495 **Polar Gem.** Snow-white. Valuable to the florist. A beauty. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

CENTAUREA imperialis (Giant Sweet Sultan). Annual. Valuable for cutting. Sweet-scented fluffy flowers. Sow for succession from May to July. $2\frac{1}{2}$ ft.

3A 1502 White

3A 1498 Lilac

3A 1499 Pink

3A 1501 Red

3A 1500 Purple

3A 1503 Yellow

3A 1506 Mixed. A select mixture.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50

3A 2945 COLLECTION: Pkt. each, above 6 colors, 75 cts.

3A 1507 **Lavender Beauty.** Light lavender, creamy white center. Flowers 3 to $3\frac{1}{2}$ inches across. $1\frac{1}{2}$ to 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1508 **Americana** (Basket Flower). Annual. Deep lavender blooms up to 4 inches in diameter. Striking for the annual border, and excellent for cutting. 4 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1509 **Americana alba.** Annual. White form. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

3A 1511 **Montana** (Perennial Cornflower).

Hardy Perennial. Violet flowers. 2 ft.

July-Sept. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Dusty Millers (*Centaurea*)

Perennials treated as annuals. Foliage plants for edging. White-green leaves contrast strikingly with other plants.

3A 1512 **Candidissima.** Leaves lanced and silvery. Pkt. 25 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

3A 1513 **Gymnocarpa.** Fern-like leaves. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Castor-Bean (*Ricinus*)



Centaurea imperialis

CHRYSANTHEMUMS

Showy, daisy-like flowers with a colored ring at the base of the florets and a purple center. Good for cut-flowers. Average height 2 ft. July-Oct.

- 3A 1520 **Atrosanguineum**. Bright crimson
3A 1521 **Burridgeanum** (Beaconsfield).
White petals, zone of brownish red and yellow.
3A 1522 **Chameleon**. The colors vary, but generally are brown and yellow.
3A 1523 **Eastern Star**. Yellow petals; dark disc.
3A 1524 **Eclipse**. Beautiful golden bronze.
3A 1525 **Eldorado**. Large, single, deep yellow flowers with a ring of reddish brown.
3A 1526 **Luteum**. Pale yellow. Charming cut-flower.
3A 1527 **Northern Star**. Flowers 3 inches in diameter; white, with a yellow zone and dark brown center.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

2946 **COLLECTION**: Pkt. each, above 8 colors, \$1

- 3A 1528 **Golden Crown**. Deep yellow, fully double flowers. Ideal for cut-bloom. 3 to 4 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Mixed Annual Chrysanthemums

- 3A 1533 **Single** 3A 1534 **Double**
Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Perennial Chrysanthemums

- 3A 1537 **Korean, Mixed**. 2 ft. Sown in early spring, these will be a blaze of color by September. The flowers are single, many of them are large, and all are brilliantly colored. They include all hues. In mixture only. Pkt. 50 cts., 3 pkts. \$1.25.

White Shasta Daisies

- 3A 1538 **Alaska**. Popular variety with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
3A 1539 **Dwarf Avalanche**. A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.
3A 1540 **Giant Double**. An assortment of doubles, semi-doubles, and singles; some with laciniated, curled, and quilled white florets. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.

- 3A 1518 **CERASTIUM tomentosum** (Snow-in-Summer). Perennial. White; 9 in. Dwarf, creeping white-leaved edging plant. Small flowers. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CINERARIA

Greenhouse Annual

Brilliant colors in daisy-shape blooms. Sow May-September. Transfer direct from seed-pans to thumb-pots; place in coldframe. As pots become full of roots, shift to larger ones until flowering size is reached.

- 3A 1553 **Siter's Rainbow Strain**. Small foliage and immense flower-heads; individual blooms are medium large, and most have a white eye. Pkt. \$2, 3 pkts. \$5.50.
3A 1554 **Cremer's Prize Strain**. Flowers large and color-range exceptionally fine. Florets are wide, and they overlap well. Smaller leaves than those of the old type. Resistant to wilt. Pkt. \$1.50, 3 pkts. \$4.
3A 1550 **California Super-Giants, Mixed**. Prize Cinerarias, grown by a specialist. Numerous individual flowers, exceeding 5 inches in diameter, with florets 1 to 1 1/2 inches wide. Pkt. 75 cts., 3 pkts. \$2.
3A 1552 **Stellata Mixed**. Cactus-flowered. Delicate, star-like quilled blooms on tall stems. Tall. Pkt. 50 cts., 3 pkts. \$1.25.
3A 1551 **Multiflora nana, Potsdam, Mixed**. Extra-choice, dwarf strain. Plants completely covered with brightly colored flowers. Pkt. 50 cts., 3 pkts. \$1.25.

CHEIRANTHUS. Hardy, blooms first year.

- 3A 1545 **Allioni** (Siberian Wallflower). For the rock-garden or border. Orange flowers in May and June. Sow indoors in March and plant out in May; or in the open in September, to flower next spring. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.
3A 1546 **Allioni, Golden Bedder**. Deep yellow flowers larger than the type. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CHELONE (Turtlehead). Perennial. Long panicles bearing small two-lipped tubular florets are good for cutting. 3 ft.

- 3A 1549 **Barbata**. Coral-red. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CLARKIA. Annuals, with showy flowers in leafy spikes. Useful greenhouse plant also, and good for cut-flower purposes. 1 1/2 ft. The following are double:

- 3A 1560 **Salmon Queen**
3A 1558 **Brilliant King**. Crimson.
3A 1559 **Purple King**.
3A 1561 **Scarlet King**.
3A 1562 **White King**.
Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
3A 1565 **Mixed**. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

- 3A 1566 **CLEOME, Pink Queen** (Spider Flower). Annual. Excellent for the middle distance of a mixed border or to line a driveway. Light, airy flowers of pleasing salmon-pink changing to white as they mature. Stamens look like spiders' legs. 3 to 4 ft. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

COBÆA (Cup-and-Saucer Vine). Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Will cling to a trellis, arbor, tree-trunk, or almost any rough surface. Start the seed indoors in March or outdoors in May.

- 3A 1569 **Scandens**. Large bell-shaped purple flowers. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$2.

- 3A 1576 **CORAL FLOWER**. Half-bardy Annual. Fleshy leaves and clusters of star-shaped flowers. Capsules which follow look like coral beads. Pkt. 50 cts., 3 pkts. \$1.25.

CYCLAMEN

Greenhouse Plant

Giant type developed by European specialists. Seed is sown in autumn, the young plants carried through winter in a cool greenhouse, repotted in May and kept during summer in a shaded frame. Brought into the greenhouse or conservatory in October they flower in winter, 15 months after sowing.

- 3A 1634 **Pure White**.
3A 1633 **White with Carmine Eye**.
3A 1632 **Light Salmon**.
3A 1631 **Dark Salmon**.
3A 1630 **Dark Red**.
3A 1629 **Cherry-Red**.
3A 1628 **Bright Fire**. Christmas color.
3A 1635 **Mixed**.

Each of the above, pkt. (10 seeds) 75 cts., 50 seeds \$3, 100 seeds \$5

COLEUS. Conservatory or bedding foliage plant. Foliage is striking in color, and highly decorative; flowers are insignificant and are usually pinched off. Most effective.

- 3A 1572 **Glory of Vichy**. The lighter, more golden shades in a splendid mixture of large-leaved types.
3A 1571 **Copper Giant**. Coppery rose shades.
3A 1573 **Rainbow Hybrids**. A splendid mixture. Plants are all hues.

Each, pkt. 35 cts., 3 pkts. \$1

CUPHEA (Cigar Plant). Treat as an Annual.

Pretty half-hardy subject for beds, baskets and window-boxes. Plants are covered with small tubular flowers, which appear twelve weeks after seeding.

- 3A 1627 **Dwarf Hybrids**. Various shades of rose, pink, scarlet and near purple. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

CYNOGLOSSUM (Chinese Forget-me-not; Hound's Tongue). Annual. Perfumed plant; myosotis-like flowers.

- 3A 1636 **Firmament**. Large; indigo-blue. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

CYPRESS VINE (Ipomœa Quamoclit). Annual Climber.

One of the most popular of annual climbing plants with very delicate fern-like foliage, and masses of beautiful, small, star-shaped flowers. It is advisable to soak seed in water for a few hours before planting out in order to hasten the germination. Frequently attains a height of 15 feet; sow outdoors in May.

- 3A 1637 **Mixed**. Pkt. 20 cts., 1/8oz. 60 cts., oz. \$1.



Cobæa scandens

ANNUALS *for the Border*

THESE FIVE KINDS NEED LITTLE CARE

The Snapdragons grow 3 feet high, and the Alyssum makes an effective edging. Midseason Giant Asters are fully double and often measure 6 inches across.

The Climbing Gourds are just the thing for arbors, trellis, fencing; strangely shaped and colored, non-edible fruit are quaintly marked. Easy to grow, Spider Flowers are excellent for the middle distance of a mixed border or to line a driveway.

MIXED SNAPDRAGONS. Maximum type.
3A 1065. All Colors Mixed. Pkt. 20 cts.,
1/8oz. 60 cts., 1/4oz. \$1.

3A 2930. COLLECTION: 5 packets, each a
distinct color, \$1.

3A 1024. VIOLET QUEEN ALYS-
SUM. Fragrant flowers. Pkt.
15 cts., 1/4oz. 75 cts., oz. \$2.50.

3A 1235. MIDSEASON
GIANT ASTERS.

All colors, Mixed. Pkt. 15c.,
1/4oz. 50c., oz. \$1.50.

3A 2937. COLLECTION:
6 pkts., separate colors, \$1

3A 1566. PINK QUEEN SPIDER FLOWER (Cleome).
Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

DECORATIVE CLIMBING GOURDS
3A 1831. All kinds mixed. Pkt. 15 cts., oz. 60 cts., 1/4lb. \$1.75.
3A 2953. COLLECTION: 12 pkts. separate sorts, \$1.50.

Lovely ANNUALS

Giant Imperial Larkspur

They look almost like Delphiniums, they are so large. Easily grown annuals with spurred flowers. Sow in the open in April to produce flowers by July. Sow in September or November also.

- 3A 1930. *Blue Spire. Double Oxford-blue flowers.
- 3A 1931. *Carmine King Improved. Deep carmine.
- 3A 1932. *Exquisite Pink Improved. Ideal shade of pink.
- 3A 1933. Gloria Improved. Deep rose; no trace of carmine.
- 3A 1934. Lilac King. Clear rich lilac.
- 3A 1935. Pink King. Lively salmon-rose.
- 3A 1936. *Sweet Lavender. Rich lavender-blue.
- 3A 1937. *White King. Finest white.
- 3A 1940. Mixed.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

3A 2956. COLLECTION: 5 varieties marked *, 60 cts.



GIANT IMPERIAL LARKSPUR

Sensation Cosmos New! Early! Large!

Flowers 4 to 5 inches across, with wide fluted florets, appear in 10 weeks from seed. 4 ft.

SINGLE KINDS—3A 1593. Pinkie. 3A 1594. Purity. White. 3A 1592. Crimson.
Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

3A 2949. COLLECTION: Pkt. each, 3 colors, 35 cts.

3A 1595. Dazzler. Deep amaranth-crimson. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 1596. Single Mixed. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

DOUBLE KINDS—3A 1601. Pink Lady. Medium pink. 3A 1602. White Cloud.

Above 2, each, pkt. 50 cts., 3 pkts. \$1.25

3A 1603. Double Mixed. Pkt. 35 cts., 1/8oz. \$1, 1/4oz. \$1.75.



DWARF BEDDING DAHLIAS

Easily grown from seed. Flower brilliantly in 3 months. Sow in March indoors and plant out; or sow outdoors in May. 3A 1642. Mixed Colors, many double. Height 2 ft. Pkt. 35 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.



CRIMSON

PURITY. White.

PINKIE. Pink.



Cosmos, Crested

Early Dwarf Crested Cosmos

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers unusually large, blooming as quickly as the Early Single sorts.

- 3A 1581 **Pink Beauty.**
 3A 1582 **White Beauty.**
 3A 1580 **Crimson Beauty.**
 3A 1585 **Mixed Beauty.**
 Each, pkt. 25 cts., 1/4oz. 40 cts., 1/4oz. 75 cts.,
 oz. \$2.50
 3A 2947 **COLLECTION:** Pkt. each,
 3 colors, 60 cts.

Early Express Type

A modern, quick-growing strain that reaches a height of about 2½ feet and bears fine large flowers on long stems within 45 days.

- 3A 1586 **Crimson Express.**
 3A 1588 **White Express.**
 3A 1587 **Pink Express.**
 3A 1591 **Mixed Express.**
 Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
 3A 2948 **COLLECTION:** Pkt. each, above
 3 colors, with Early Orange Flare, 50 cts.

Sensation Type

A new, early, large Cosmos. Flowers are 4 to 5 inches across, with wide, fluted florets. Flowers in 10 weeks from seed. 4 ft.

- 3A 1593 **Pinkie.** Pink.
 3A 1594 **Purity.** White.
 3A 1592 **Crimson Sensation.**
 Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
 3A 2949 **COLLECTION:** Pkt. each, 3 colors,
 35 cts.

- 3A 1595 **Dazzler.** The giant flowers are 4 or more inches across; they appear early, when the plants are but 30 inches high, but continue as an ultimate 5 to 6 feet is attained by autumn. The color is a rich deep amaranth-crimson. Won a high place in the All-America Seed Trials for 1943. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
 3A 1596 **Sensation, Single, Mixed.** Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

DOUBLE SENSATION. Surprisingly quick to bloom. The flowers are 4½ inches across, appearing in about ten weeks.

- 3A 1601 **Pink Lady.** Two double forms occur in this: one fluted and medium pink; the other crested, somewhat lighter.
 3A 1602 **White Cloud.** Velvety white.
 Above 2, each, pkt. 50 cts., 3 pkts. \$1.25
 3A 1603 **Sensation, Double, Mixed.** Pkt. 35 cts., 1/4oz. \$1, 1/4oz. \$1.75.

Charming Cosmos

Annual. Cosmos is one of the most decorative of our garden flowers, and is of great value for cut-bloom. Sow about May 1, outdoors, covering the seed ¼ inch, and thin out or transplant to not less than 1½ feet apart. Sow under glass in April or May for earlier bloom.

3A1607 Radiance • New!

All-America Silver Medal Winner for 1948. A 5-foot variety, rugged, strong, bearing a wealth of huge blooms that are rose-pink with a wide inner zone of deep crimson and a cushion of yellow stamens in the center.

A two-color Cosmos is a novelty, but the deep crimson hue is indeed unusual. Small wonder it proved a top winner in the nationwide seed tests. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.

Late Single Tall Cosmos

This type of Cosmos, which has mammoth flowers, blooms late in the summer. 5 ft.

- 3A 1609 **Lady Lenox.** Deep rosy pink.
 3A 1610 **Lady Lenox, White.** Pure white.
 3A 1608 **Crimson.** 3A 1613 **Mixed.**
 Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1
 3A 2950 **COLLECTION:** Pkt. each, 3 colors,
 25 cts.



Cosmos, Early Orange Flare

Orange, Yellow and Golden Types

- 3A 1614 **Early Orange Flare.** Orange flowers with light green foliage. The stems are long and wiry, adapted for cutting. 3 ft.
 3A 1617 **Yellow Klondyke.** Lighter in color and a fitting companion to Early Orange Flare. The butter-yellow of the flowers and their exceptionally long stems, make them highly valuable. Blooms are 1¾ inches across. 3 ft.
 3A 1615 **Orange Ruffles.** Large, golden, semi-double blooms have extra rows of florets. Earlier than, and not quite so tall as Orange Flare. 2½ ft.
 Above 3, each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50
 3A 1616 **Sunlight Splendor.** Fine mixture of orange and yellow hues. Pkt. 25 cts.

Stately Delphiniums

Hardy Larkspur

Mostly exceeding 6 feet, these striking perennials produce magnificent flower-spikes in July and August; cut them down after blooming for a second growth in fall. Many treat as an annual, sowing under glass in midwinter.

- 3A 1645 **GOLD MEDAL HYBRIDS, Mixed.** Immense spikes, and the best colors. Recommended to the specialist. Pkt. 35 cts., 1/4oz. \$1, 1/4oz. \$1.75, oz. \$6.

Giant Pacific Hybrids

These New Hybrids are much larger and finer than the best varieties produced hitherto. All the florets are 2 inches or more across, and they are excellent for show purposes. Both seeds and plants are available.

Each of the following, has a marked resistance to mildew.

- 3A 1646 **Black Knight Series.** Dark blues.
 3A 1649 **Cameliard Series.** Lavender selfs.
 3A 1651 **Galahad Series.** White.
 3A 1647 **Blue Bird Series.** Clear mid-blue with white bee.
 *3A 1648 **Blue Jay.** Blue, gray overtone; dark bee.
 *3A 1652 **Guinevere Series.** Pink-lavender; white bee.
 *3A 1653 **King Arthur.** Royal violet; white bee.
 *3A 1654 **Summer Skies.** Light blue; white bee.

Each, pkt. \$1, 1/4oz. \$4, 1/4oz. \$7.50
 3A 2951 **COLLECTION:** Pkt. each, varieties marked * \$3.50

- 3A 1655 **Round Table Series.** Noble mixture. Extra selected. Pkt. \$1, 3 pkts. \$2.50, 1/4oz. \$3.25, 1/4oz. \$6.
 3A 1660 **Mixture, All Shades (Standard Kinds).** Pkt. 50 cts., 3 pkts. \$1.25, 1/4oz. \$2.50, 1/4oz. \$4.

Some Other Fine Varieties

- 3A 1664 **New Hollyhock Strain.** A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double. 6 ft. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$1.50, 1/4oz. \$2.50.
 3A 1661 **Belladonna.** Clear turquoise-blue flowers. Everblooming. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.
 3A 1663 **Clivedon Beauty (Improved Belladonna).** Bright blue. Larger flowers and a stronger plant. 5 ft. Pkt. 25 cts., 1/4oz. 85 cts., 1/4oz. \$1.50.
 3A 1662 **Bellamosum.** Blue; 5 ft. Similar to the above except in color which is a darker blue. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.
 3A 1665 **Cardinale.** Beautiful cardinal-red. 2½ ft. Pkt. 25 cts., 1/4oz. 85 cts., 1/4oz. \$1.50.
 3A 1668 **Chinense, Blue Butterfly.** Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. 1½ ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
 3A 1667 **Chinense, Cambridge Blue.** Clear, rich light blue. Fine for cut-bloom. 2½ ft. Pkt. 20 cts., 1/4oz. 60 cts., 1/4oz. \$1.
 3A 1666 **Chinense album.** White form. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 9.

DAHLIAS FROM SEED

Tender Perennial; treat as an Annual. Ideal for cutting; they make striking flower-beds. Sow in March indoors and plant out, or sow outdoors in May. Bloom in four months.

Dwarf Kinds (1½ to 3 ft.)

- 3A 1643 **Miniature Types, Mixed.** Of outstanding merit; fine colors. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2, ¼oz. \$3.50.
 3A 1642 **Dwarf Bedding, Mixed.** Charming colors; double and semi-double. Pkt. 35 cts., ½oz. 75 cts., ¼oz. \$1.25, oz. \$4.
 3A 1639 **Coltness Hybrids, Mixed.** Single flowers. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

Tall Dahlias

Expect interesting results; occasionally a hybrid of value will turn up. To be certain of definite shapes and colors it is necessary to plant roots; offered on pages 62 and 63.

- 3A 1638 **Cactus, Mixed.** Saved from a choice collection. Pkt. \$1, 3 pkts. \$2.50.
 3A 1640 **Double-flowering Exhibition Strain, Mixed.** Saved from good Show sorts. Pkt. 50 cts., ¼oz. \$1.25, oz. \$4.
 3A 1641 **Giant Exhibition Type, Mixed.** Largest and best exhibition varieties. Pkt. \$2, 2 pkts. \$3.50.

- 3A 1644 **DATURA cornucopia** (Trumpet Flower). *Annual.* Fragrant flowers, 8 inches long by 5 inches across; pure white inside, purple outside. 4½ ft. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

- 3A 1712 **DICTAMNUS Fraxinella rubra** (Dittany; Burning-Bush; Gas-Plant). *Perennial.* Pinkish red flowers fine for cutting. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

- 3A 1714 **DIDISCUS cœrulea** (Queen Anne's Lace). *Annual.* Upright; about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. Sow in May. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

- DIGITALIS** (Foxglove). *Perennial.* Long racemes of tubular flowers. Plant amid shrubbery, along the edges of woods, etc. Grows well in partial shade; June, July.

- 3A 1721 **Giant Shirley, Mixed.** Huge spikes; from pure white to dark rose. 6 ft.

- Gloxiniæflora Type.** Handsome, spotted gloxinia-like flowers. 4 ft.

- 3A 1719 **Rosea.** Rose.

- 3A 1716 **Alba.** White.

- 3A 1718 **Purpurea.** Purple.

- 3A 1717 **Lutea.** Yellow.

- 3A 1720 **Gloxiniæflora, Mixed.**

- Above 6, each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

- DOLICHOS** (Hyalanth Bean; Lablab). *Annual.* Rapid-growing climber. Sow outdoors. Blooms July to fall.

- 3A 1732 **Mixed.** Pkt. 10 cts., oz. 50 cts., ¼lb. \$1.50.



Dimorphotheca, Double Hybrids, Mixed



Jewel-Like Dianthus • Pinks

Sow annuals in spring, hardy kinds in spring or summer. Annuals bloom in a few weeks, most hardy sorts flower same year.

Double Annual Pinks

- 3A 1677 **Chinensis** (China Pink). Double flowers; mixed colors. Pkt. 15c., ¼oz. 50c.
 3A 1678 **Fireball.** Extra double; dark scarlet. Pkt. 15 cts., ¼oz. 75 cts.
 3A 1679 **Heddewigi fl.-pl.** (Double Oriental Pink). Varies from richest crimson to delicate rose. Pkt. 15 cts., ¼oz. 50 cts.
 3A 1680 **Laciniatus fl.-pl.** (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 15 cts., ¼oz. 60 cts.
 3A 1681 **Snowball.** Large double white. 1 ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.
 3A 1682 **Violet Queen.** Rich violet—rather unusual shade. Pkt. 15 cts., ¼oz. 75 cts.

Single Annual Pinks

- 3A 1687 **Westwood Beauty.** Won Honorable Mention in the All-America Seed Trials for 1946. Colors range from fiery crimson to a deep velvety red. 1 ft.
 3A 1688 **Heddensis, Finest Mixed.** Most brilliant annual Pink. 1 ft.
 3A 1689 **Laciniatus, Gaiety.** A mixture. Wide range of colors. Large, fringed. Above 3, each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

DIMORPHOTHECA

Cape Marigold; African Daisy

Bright annuals, with daisy-like flowers, which do especially well in full sun.

- 3A 1731 **Double Hybrids, Mixed.** Many double, with some semi-double and single. Salmon-orange to white, with many lemon and tan hues. Flowers average 1¾ inches across, with a 1-inch crested center. 8 in. Pkt. 35 cts., 3 pkts. \$1.

- 3A 1727 **Aurantiaica Hybrids, Mixed.** Flowers large, varying from white through yellow and orange to salmon; many zoned with several of these colors around the black disc. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

- 3A 1726 **Aurantiaica.** Bright golden orange flowers. Pkt. 10 cts., ¼oz. 60 cts., oz. \$2.

- 3A 1728 **Salmon Beauty.** Large; pleasing salmon. Pkt. 10 cts., ¼oz. 60 cts., oz. \$2.

- 3A 1734 **DORONICUM caucasicum** (Leopard's Bane). *Perennial.* Valuable for cut-bloom. Handsome, yellow, daisy-like flowers sometimes 3 inches across. 2 ft. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.

- 3A 1736 **DRACENA indivisa** (Cordylone). Tree-like, graceful, lance-leaved plants for greenhouse and conservatory and for bedding. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

- 3A 1738 **ECHINOCYSTIS lobata** (Wild Cucumber Vine). *Annual Climber.* Bright green foliage with sprays of white flowers in July and August. Pkt. 15 cts., oz. 60 cts.

Hardy Garden Pinks

- 3A 1700 **New Blue.** Lavender-blue, in a bright, pleasing shade. The flowers are small, but are in 9-inch trusses from July to September. Pkt. 50 cts., 3 pkts. \$1.25.

- 3A 1693 **Allwoodi.** Combines the Carnation with the delicious clove scent of the Pink. Single Mixed. Pkt. 25 cts., 5 pkts. \$1.

- 3A 1694 **Allwoodi Alpinus.** Ideal for the rock-garden, blooming continuously; beautiful mixture. Fragrant. 5 in. Pkt. 50 cts., 3 pkts. \$1.25, ½oz. \$2.50, ¼oz. \$4.

- 3A 1695 **Double Scotius.** New florists' variety. Mixed pink, rose, salmon, white. Pkt. 35 cts., ½oz. \$1, ¼oz. \$1.75.

- 3A 1699 **Loveliness.** Two-inch, perfumed, mauve, laced flowers. Blooms in seven months. Pkt. 25 cts., 5 pkts. \$1.

- 3A 1701 **Rainbow Loveliness.** Delicate tones other than mauve, including pink, red, lilac, cream and white. Pkt. 75 cts.

- 3A 1707 **White Loveliness.** Charming white form. Pkt. \$1.25, 3 pkts. \$3.50.

- 3A 1697 **Highland Hybrids, Mixed.** Ideal for rock-gardens. Practically perpetual flowering and the colors are very varied. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.

- 3A 1704 **Sweet Wivelsfield.** If sown indoors in February, blooms same year. Fringed single sweet-william-like flowers July to frost. Mixed. Pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25.

- 3A 1705 **Double Sweet Wivelsfield.** Pkt. 25 cts., ¼oz. \$1.25, oz. \$4.

- 3A 1696 **Deltoides, Brilliant** (Maiden Pink; Spink). Rich rose-pink. For rock-garden. 6 in. Pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50, oz. \$5.

- 3A 1698 **Knappi** (Yellow Dianthus). Yellow blossoms in bunches; not fragrant. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

- 3A 1703 **Plumarius Double Mixed.** (Grass Pink). Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft. Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.

- 3A 1702 **Plumarius Single Mixed.** Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

- 3A 1706 **Rock-Garden Rare Dwarf Species.** Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

- 3A 1740 **ECHINOPS Ritro** (Globe Thistle). *Perennial.* Handsome, silvery, thistle-like foliage and blue flowers in round heads. 3 to 5 ft. Pkt. 10 cts., ¼oz. 50 cts.

- 3A 1744 **ERIGERON speciosus** (Midsummer Daisy; Fleabane). *Perennial.* Valuable border plant. Beautiful sky-blue. 2½ ft. Pkt. 25 cts., 5 pkts. \$1.

- 3A 1746 **ERINUS alpinus.** Dainty rock-garden plants, for crevices of stone walls, etc., and blooming in early spring. Pale purple. 6 in. Pkt. 50 cts., 3 pkts. \$1.25.



Eschscholtzia

ESCHSCHOLTZIA*California Poppy*

Easily grown annuals. Sow where intended to flower, in full sun, and thin to 1 foot apart.

3A 1751 **Golden Glory**. Double orange flowers, lightening at the edges to gold. 1 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

3A 1754 **Ramona Hybrids, Mixed**. Ruffled flowers. 1 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

*3A 1748 **Carmine King**. Carmine-rose. 15 in.

3A 1749 **Fireflame**. Vivid orange-scarlet.

*3A 1750 **Geisha**. Golden orange inside, orange-scarlet outside. 15 in.

*3A 1752 **Golden West**. Bright yellow, dark orange at the base of the petals.

*3A 1755 **Red Chief**. Petals deep scarlet. 10 in.

*3A 1756 **White**. Unusual variety.

3A 1762 **Choice Mixture**. Covering all the colors in this pretty annual.

Above, each, pkt. 10 cts., 1/4oz. 60 cts., oz. \$2, except as noted

3A 2952 **COLLECTION**: Pkt. each of varieties marked (*), with the Tulip Poppy (*Hunnemannia*) described on page 40 (6 varieties in all), 50c.

3A 1742 **EDELWEISS** (*Leontopodium alpinum*; *Gnaphalium*). Perennial. Everlasting. Tufted creeping rock-garden plant with white woolly foliage. Sow early, keep moist. 6 to 12 in. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50, 1/4oz. \$2.50.

EUPHORBIA (Spurge; Wolf's Milk). Curious plants with milky sap in the stem and leaves. Showy for border planting.

3A 1763 **Variegata** (Snow-on-the-Mountain). Annual. Foliage marked with white. 2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

3A 1764 **Heterophylla** (Annual Poinsettia). Annual. Bush-like plants, with smooth, glossy orange-scarlet leaves. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 1765 **FELICIA Bergeriana** (Kingfisher Daisy; Blue Marguerite). Annual. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are 3/4 inch in diameter. Grown outdoors in summer or under glass at other times of the year. 6 in. Pkt. 25 cts., 1/4oz. \$1.25.

3A 1767 **FERN SPORES, Greenhouse Sorts**. Sow in sand and peat. Keep shaded and moist, with a glass partly covering the flat. Pot off when large enough. Pkt. 50 cts., 3 pkts. \$1.25.

GAILLARDIA • Blanket Flower

Flowers are brilliant and daisy-like, borne freely from July to November. Excellent for cut-bloom, also garden decoration.

Annual Varieties (2 ft.)

3A 1773 **Aurea**. Rich yellow.

3A 1774 **Indian Chief**. Bronze.

3A 1775 **Picta Lorenziana, Double, Mixed**.

Above three, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

Perennial Varieties

Sown early, they bloom the first year.

3A 1778 **Burgundy**. Brilliant coppery scarlet self. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

3A 1780 **Goblin**. Yellow; deep red zone. 15 in. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

3A 1779 **Giant Hybrids, Mixed**. Immense flowers. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

3A 1781 **Portola Hybrids**. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 1782 **Tangerine**. Shades of tangerine-orange. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

3A 1783 **The Dazzler**. Flowers very large, rich dark red, with a bright orange tip on each floret. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

3A 1769 **FOUR O'CLOCK, Fine Mixed** (Marvel of Peru). Annual. Red, yellow, or white flowers open in cloudy weather or after noon. 2 ft. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.

3A 1771 **FUCHSIA, Mixed, Greenhouse and Summer Bedding Plant**. Sow indoors January to March, and plant out in May. Striking mixture. Pkt. \$1, 3 pkts. \$2.50.

GENTIAN. Perennial. For the border; excellent pot-plant. Likes semi-shade with plenty of moisture. Sow in spring or summer. For blooms same season sow under glass in winter and transplant. July-Sept.

3A 1788 **Hascombensis**. Flowers about 1 1/2 inches across and of various shades of blue. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

3A 1789 **GERANIUM (Pelargonium), Zonale**. Greenhouse and Bedding Plant. Reds, crimsons, pinks, and whites. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

3A 1791 **GERBERA, Jamesoni Hybrids** (Transvaal Daisy). Greenhouse Perennial. Will stand outdoors if mulched over winter. Pastel shades of red, cerise, salmon, orange, yellow, white. Pkt. 25 cts., 3 pkts. 60 cts.

GEUM (Arens). Perennial. For cutting.

3A 1793 **Lady Stratheden**. Large; double; rich golden yellow. 1 1/2 ft. Pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25.

3A 1794 **Mrs. Bradshaw**. Large; double; brilliant orange-scarlet. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 60 cts., 1/4oz. \$1.

3A 1796 **GILIA, Fairy Star**. Annual. Feathery foliage and 1-inch flower-heads. Good cut-flower. 2 ft. Mixed pastel shades. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

GLOBE AMARANTH (Gomprena). Annual. Everlasting. Good bedding plant. Brightly colored flowers resemble clover-heads and can be dried for winter. 1 1/2 ft.

3A 1798 **Rose** 3A 1799 **Ruby**

3A 1801 **White** 3A 1800 **Purple**

Above 4, each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

3A 1805 **Mixed Colors**. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

3A 1806 **GLOXINIA, Large-flowered**. Greenhouse Plant. The ground-color of the large, trumpet, flowers is a velvety purple-crimson with a rosy white throat. On the corolla appear violet bands and spots. 9 in. Pkt. 50 cts., 3 pkts. \$1.25.

GYPSOPHILA • Baby's-Breath

Annuals and Perennials. Misty white flower panicles largely used in bouquets.

3A 1832 **Elegans grandiflora alba**. Annual. Large-flowering, pure white form. 1 1/2 ft. Pkt. 10 cts., oz. 50 cts., 1/4lb. \$1.75.

3A 1833 **Elegans grandiflora rosea**. Annual. Pink form. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

3A 1834 **Muralis**. Annual. Pink; 10 in. Pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25, oz. \$4.

3A 1837 **Paniculata**. White. Hardy perennial that blooms first year if sown early. 3 1/2 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

3A 1838 **Paniculata fl.-pl.** Perennial. Double. 3 ft. White. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50, 1/4oz. \$2.50.

3A 1839 **Pacifica**. Perennial. Large pink flowers. Blooms later than Paniculata. 4 ft. Pkt. 35 cts., 1/4oz. 85 cts., 1/4oz. \$1.50.

3A 1840 **Repens**. Perennial. White. 6 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

3A 1841 **Repens rosea**. Pink. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

CODETIA. Annual. Showy flowers in leafy racemes; splendid for bedding; and potting.

3A 1809 **Kelveden Glory**. Salmon-orange. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

3A 1810 **Sybil Sherwood**. Salmon-pink. For cutting. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

3A 1808 **Azalea-flowered (Carminae)**. Double pink flowers, marked darker. 30 in. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

3A 1813 **Tall Double, Mixed**. Average ht. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

GOURDS. Annual Climbers. For arbors, trellises, fencing. Fruits strangely shaped, quaintly marked and colored; inedible.

LARGE FRUITS

3A 1814 **Calabash Pipe**

3A 1815 **Caveman's Club**

3A 1816 **Dipper**

3A 1817 **Dish-Cloth (Luffa)**

3A 1818 **Giant Bottle**

3A 1819 **Hercules' Club**

SMALL FRUITS

3A 1822 **Apple**

3A 1823 **Miniature Bottle**

3A 1827 **White Egg**

3A 1824 **Orange**

3A 1826 **Spoon**

3A 1825 **Pear**. Striped yellow and green.

Each, pkt. 15 cts., oz. 60 cts., 1/4lb. \$1.75

3A 2953 **COLLECTION**: Pkt. each, above 12, \$1.50

3A 1831 **Mixed Gourds**. All sorts. Pkt. 15 cts., oz. 60 cts., 1/4lb. \$1.75.

Gaillardia
The Dazzler

HELIANTHUS • Sunflower

Annuals, majestic and striking. Daisy-like blooms, the single types mostly with a large brown center disc. Sow in the sun.

- 3A 1851 **Sun God**. Improved Double Sunflower. 5-foot plants, surmounted by golden flowers, cushion-like and 4 to 5 inches across. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.
 3A 1849 **Cut-and-Come-Again, Mixed**. A mixture of tall, large-flowering types. 5 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.
 3A 1850 **Gigantic Russian**. Large old-time Sunflowers. 9 ft. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.
 3A 1852 **Tall Red, Gaillardia-flowered**. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. 6 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

HELENIUM (Sneezewort). *Perennial*. Blooms very freely in late summer.
 3A 1844 **Riverton Gem**. Wallflower-red. 2 ft. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

HELIANTHEMUM (Dwarf Sun Rose). *Perennial*. For the rock-garden. 1 ft.
 3A 1846 **Mutabile Mixed**. Colors include yellow, red, white and pink. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

HELICHRYSUM (Straw Flower). *Annual*. *Everlasting*. Bright-colored chaffy double blooms make a fine display in the garden. Allow $1\frac{1}{2}$ feet between plants. $2\frac{1}{2}$ ft. high.
 3A 1856 **Fireball**
 3A 1857 **Golden Ball**
 3A 1858 **Rose Queen**
 3A 1859 **Salmon Queen**
 3A 1860 **Snowball**
 3A 1861 **Violet Queen**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2
 3A 2954 **COLLECTION**: Pkt. each, above 6 colors, 75 cts.

3A 1865 **Mixed Colors**. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

3A 1866 **HELIOPSIS scabra zinniaeflora** (Hardy Zinnia). *Perennial*. Orange-yellow sunflower-like flowers, June to Sept. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

FRAGRANT HELIOTROPE. *Perfumed Greenhouse or Bedding Plant*. Splendid outdoors or as a greenhouse climber. Seed started indoors in spring will bloom in summer. Sow outdoors in May. About 2 ft.
 3A 1868 **Lemoine's Giant, Mixed**. Flower-heads double the size of the old sorts. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

HESPERIS (Sweet Rocket; Dame's Violet). *Perennial*. Large clumps 2 to 3 feet high; showy flower-spikes. Splendid for cutting.
 3A 1870 **Matronalis, Red**.
 3A 1871 **Matronalis, White**.

Above 2, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 60 cts.

HEUCHERA (Alum Root; Coral Bell). *Perennial*. Bushy plants of easy culture, $1\frac{1}{2}$ to 2 feet high; graceful spikes of tiny flowers. For the border or rock-garden. July, Aug.
 3A 1873 **Sanguinea**. Coral-red. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.

3A 1875 **HIBISCUS, Giant-flowering Mixed** (Marshmallow). *Perennial*. For beds or borders. Bloom first year. Six-inch trumpet flowers have dark centers. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1898 **HONESTY** (Moonwort; Satinpod). *Biennial*. *Everlasting*. Purple flowers followed by round silvery parchment-like seed-pouches, used for house ornament. Sow in May and protect over winter. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

HOLLYHOCK

Perennial. Popular hardy garden plants. Their beautiful colors and fine appearance render them indispensable for the herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide. 6 to 9 ft.

3A 1896 **Indian Summer**. Bronze Medal, All-America Seed Trials for 1949. Beautiful double strain with very large flowers. Colors are more varied than kinds offered hitherto, bright and scintillating. Sown in April or earlier, the plants will bloom the same season and every year thereafter. The best Hollyhock you can sow. Pkt. 25 cts.

3A 1881 **Double Orange Prince**. Large, brilliant apricot-orange hue. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

3A 1880 **Double Exquisite**. Large blooms are beautifully frilled or deeply dentate, and their colors are charming. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

3A 1882 **Haile Selassie**. The large semi-double flowers are so deep a maroon that they seem to be black, accented by the yellow stamens. Pkt. 35 cts., 3 pkts. \$1.

Chater's Superb Double

- 3A 1885 **Deep Rose**
 3A 1886 **Newport Pink**
 3A 1887 **Pure White**
 3A 1888 **Salmon-Rose**
 3A 1889 **Scarlet**
 3A 1890 **Sulphur-Yellow**
 3A 1893 **Superb Mixed**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

3A 1894 **S. & W. Co.'s Superb Single**. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

3A 1895 **Annual Hollyhock, Indian Spring**. Produces its flower-spike twenty weeks after sowing. Semi-double and double fringed flowers in several shades of pink. 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

HUMULUS (Ornamental Hop). *Annual Climber*. Grows 20 to 30 feet in four months. One of the best plants for covering verandas, trellises, etc.

3A 1900 **Japonicus**. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

HUNNEMANNIA (Tulip Poppy; Santa Barbara Poppy). *Annual*.

3A 1901 **Sunlite**. Develops a band of short petals on the outside of the bud. Canary-yellow. 2 ft. Sow in the open ground May 1 or earlier under glass in pots, transplant when danger of frost is over. A sunny position suits it. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

IMPATIENS (Touch-Me-Not; Snapweed). *Greenhouse and Bedding Plant*. Profuse and continuous bloomer; semi-succulent. Sensitive to frost. Average height $1\frac{1}{2}$ ft.

3A 1907 **Sultani**. Brilliant carmine, $1\frac{1}{2}$ -inch flowers.

3A 1908 **Sultani Hybrids**. Brilliant colors—carmine, pink, near white.

3A 1904 **Holsti**. Dazzling scarlet blooms.

3A 1905 **Holsti Hybrids, Mixed**. Orange, scarlet, red, pink, and white flowers. $1\frac{1}{4}$ to $1\frac{1}{2}$ inches across.

Above 4, each, pkt. 25 cts., 3 pkts. 60 cts.

3A 1910 **INCARVILLEA Delavayi**. *Perennial*. Striking plant with large leaves. The flowers, on long stems, are bright rose, tube-shaped, and appear almost like gloxinias. June to Aug. $2\frac{1}{2}$ ft. Pkt. 25 cts., 5 pkts. \$1.

3A 1926 **KALANCHOE, Tom Thumb**. Succulent plant with scarlet flowers. Sown in winter, grown outdoors in summer, it blooms a year after sowing. Popular with the commercial florist. Pkt. \$2.50, $\frac{1}{4}$ oz. \$6.50.

IPOMOEA

Convolvulus; Morning-Glory

Annuals, mostly climbers. Excellent for covering walls, trellises, arbors, or stumps of trees. Sow in the open in a sunny situation when the weather has warmed.

3A 1914 **Scarlett O'Hara**. Flowers $3\frac{1}{2}$ inches in diameter. They remain open from sunrise well past noon—hence *Morning-Glory*. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.

3A 1913 **Pearly Gates**. A true giant, with 4-inch blooms. Climbs 12 feet. Silver Medal, All-America Trials for 1942. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.

3A 1912 **Heavenly Blue**. Flowers 4 inches across. Improved, early strain. Pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50.

3A 2955 **COLLECTION**: 1 pkt. each above 3 *Morning-Glories*, 50 cts.

3A 1911 **BLUE STAR**. All-America Honorable Mention, 1949. A distinct clear sky-blue with five deeper blue midribs forming an attractive star. Flowers average 4 inches in diameter, are abundant and remain open well into the afternoon on cloudy days. Pkt. 25 cts., $\frac{1}{4}$ oz. \$2, oz. \$3.50.

3A 1915 **Crimson Rambler**. Brilliant, large flowers. Pkt. 15 cts., 3 pkts. 40 cts.

3A 1918 **Mixed Imperial** (Emperor Morning-Glory). Flowers large; color varied. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.

3A 1917 **Rose Marie**. Rose-pink, mostly double. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

3A 1916 **Mexicana alba** (Moonflower). At night and during dull days the plants are covered with large, white, fragrant flowers. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

3A 1928 **KOCHIA Childsi** (Summer Cypress; Mexican Firebush). *Annual*. $2\frac{1}{2}$ ft. Pyramidal bush with feathery, light green foliage, changing to crimson in September. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 50 cts.

3A 1954 **LANTANA, Mixed**. *Greenhouse and Summer Bedding Plant*. The flowers are borne in verbenalike heads of orange, white, rose, etc. The colors change as the flower ages. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

LATHYRUS (Everlasting or Hardy Sweet Pea). *Perennial Climber*. Climbs over rocks and fences. Splendid cut-flower. 6 to 8 ft.

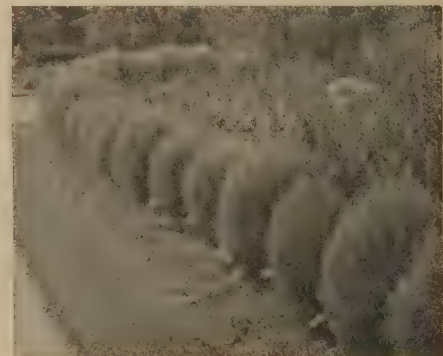
3A 1958 **White** 3A 1957 **Red**

3A 1956 **Pink** 3A 1960 **Mixed**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$1.25

3A 1962 **LAVATERA splendens rosea** (Mallow). *Annual*. Beautiful plant, covered with large, cup-shaped, pink flowers. 2 ft. Pkt. 15 cts. each, $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 1964 **LAVENDER, Munstead Strain**. *Perennial*. Fragrant. 1 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.



Kochia Childsi

Extend your garden's effectiveness into the winter! Grow Globe Amaranth and Helichrysum (Everlasting); also the queerly marked Ornamental Gourds, which may be preserved for years

STUMPP & WALTER CO.



Lobelia

LARKSPUR

Annuals with spurred flowers. Sow in the open in April to produce flowers by July. Sow in September or November also. They make handsome beds and are very effective among shrubs.

New Supreme Larkspurs

These are marvelous cut-flowers. Vigorous, 5-ft. plants produce heavy spikes of closely packed, double florets, the petals of which are large and spreading. Colors are new and outstanding.

- 3A 1943 **Dark Blue Supreme**. Rich violet-purple.
- 3A 1944 **Lilac Supreme**. Pleasing hue.
- 3A 1945 **Pink Supreme**. Clear rose-pink.
- 3A 1946 **White Supreme**. Pure white.
- 3A 1947 **Supreme Mixture**. Wide color range.

Above, each, pkt. 20 cts., 1/4oz. 75 cts., oz. \$2.50

Giant Imperial Sorts

Plants of giant proportions with the habit of the delphinium. Height up to 5 ft.

- *3A 1930 **Blue Spire**. Double Oxford-blue.
- *3A 1931 **Deep Carmine King Improved**. Deep carmine. Ten days earlier than most.
- *3A 1932 **Exquisite Pink Improved**. The shade of pink meets the florists' needs.
- 3A 1933 **Gloria Improved**. A rich tone of deep rose, with no trace of carmine.
- 3A 1934 **Lilac King**. Clear lilac—rich shade that is welcomed by every gardener. 4 ft.
- 3A 1935 **Pink King**. Soft, yet lively salmon-rose. 5 1/2 ft.
- *3A 1936 **Sweet Lavender**. Lavender-blue.
- *3A 1937 **White King**. The finest white.
- 3A 1940 **Mixed Giant Imperial Larkspurs**.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

3A 2956 **COLLECTION**: 5 varieties marked (*) 60 cts.

- 3A 1942 **Rainbow Mixture**. A special assortment of brilliant colors. Pkt. 25 cts.

- 3A 1986 **LINUM grandiflorum rubrum**. Annual. 1 ft. Showy bedding plants having brilliant scarlet flowers. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

3A 1987 **Perenne** (Flax). Perennial. Bright blue. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1.25.

3A 1984 **Flavum** (Golden Flax.) Perennial. Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 25 cts., 3 pkts. 60 cts.

LOBELIA

Sow in spring, and thin or plant 5 inches apart. Annuals for edging or bedding.

Annual Varieties

- 3A 1990 **Cambridge Blue**. A light, bright blue type. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.
- 3A 1992 **Crystal Palace Compacta**. Deep blue. Dark foliage. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
- 3A 1993 **Emperor William**. Compact; sky-blue flowers. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.
- 3A 1994 **Mrs. Clibran Improved**. Large, deep blue, white-eyed flowers. Compact plant. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.
- 3A 1995 **Pendula, Sapphire**. Deep blue; white eye. Trailing; ideal for window-boxes. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Perennial Variety

- 3A 1991 **Cardinalis** (Cardinal Flower). Scarlet blooms; green foliage. Needs a moist, shaded place. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts.

LILIES FROM SEED

Most will produce flowers the second year from seed; treat them as other perennials.

- 3A 1972 **Candidum**. Salonika variety. Pkt. 75 cts., 3 pkts. \$2.
- 3A 1973 **Longiflorum, White Queen** (Easter Lily).
- 3A 1974 **Philippinense formosanum**. (Hardy Easter Lily). See page 70. Seed is specially selected. Fragrant, pure white blooms in 6 to 8 months from sowing.
- 3A 1976 **Tenuifolium** (Coral Lily). Brilliant coral-red.
- Above 3, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50
- 3A 1975 **Regale** (The Royal Lily). Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

- 3A 1969 **LIATRIS pycnostachya** (Blazing Star; Gayfeather; Snakeroot). Perennial. Purple flowers on long spikes. 3 to 4 ft. July-Sept. Pkt. 25 cts., 1/4oz. 85 cts., oz. \$3.

- 3A 1982 **LINARIA, Fairy Bouquet** (Toad-flax). Annual. Splendid mixture. The compact plants bear large flowers in rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. For bedding or pots. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

- 3A 1981 **Cymbalaria** (Kenilworth Ivy; Mother of Thousands; Creeping Sailor). Perennial Climber. Lavender and purple. Charming trailer, for pots or rockeries. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.75.



Linum perenne



Lupinus polyphyllus

LUPINUS • Lupine

For beds, cut-flowers or greenhouse growing. Annuals may be sown outside in May; thin to 1 foot.

ANNUAL LUPINES. Plants branch at the base, forming a handsome candelabra, with six to eight huge spikes to a plant. 3 ft.

- 3A 2000 **King Blue**. Rich dark blue, with a white stripe in the standard of each flower.
- 3A 2001 **King Heliotrope**. A beautiful tint.
- 3A 2002 **King Light Blue**. Sky-blue.
- 3A 2003 **King White**. Big, pure white.

Each, pkt. 15 cts., 1/2oz. 85 cts., oz. \$1.50

- 3A 2007 **King Mixed**. Contains the above colors and others like sky-blue and mid-blue. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1.

PERENNIAL POLYPHYLLUS LUPINES. Special Imported Strain. Sow in summer to bloom June to September the following year. Partly shaded, rich soil, free from lime, is advised. A 5-foot robust strain in which are many new colors.

- 3A 2009 **Blue Shades**
- 3A 2010 **Golden Spire**. Rich yellow.
- 3A 2011 **Pink Shades**
- 3A 2012 **Red Shades**
- 3A 2013 **White** 3A 2015 **Mixed Hybrids**.

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3.50

- 3A 2016 **Russell Lupines**. Reselected Strain. Colors that are novel; the size of the florets and the length of the spike are sensational. Vary in height from 1 1/4 to 5 feet. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

LYCHNIS (Catchfly; Campion). Perennial. Easily grown plants for massing in beds or borders, blooming first year from seed.

- 3A 2021 **Viscaria splendens**. Bright rose-pink; foliage green well into winter. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
- 3A 2020 **Haageana**. Striking orange-scarlet blooms. 1 1/2 ft. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

- 3A 2019 **Chalcedonica** (Maltese Cross). Scarlet. 2 ft. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

- 3A 2023 **MALOPE grandiflora, Giant Crimson**. Annual. Large hibiscus-like flowers. 2 1/2 ft. Sow in early spring in the open. Transplant or thin to 18 inches. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

- 3A 2097 **MATHIOLA bicornis** (Evening-scented Stock). Annual. Flowers dull purplish lilac; intensely fragrant. 1 ft. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

MATRICARIA. Half-hardy Perennials, treated as Annuals.

- 3A 2099 **S. & W. Co.'s Double White** (Feverfew). For cutting or bedding. 15 in. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.



Marigold, Crown of Gold



Marigold, Butterball

AFRICAN MARIGOLDS

Very easy to grow. Push groups of three seeds just under the surface at intervals of 1 foot or more, after frost has gone in spring; thin to one plant from each group. Or sow indoors in March; plant out in May.

Tall Double. 2½ ft.

Husky plants, quick to grow and smothered with mammoth tightly double blooms.

3A 2025 Alldouble Lemon

3A 2026 Alldouble Orange

Each, pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50

3A 2029 Mixed Alldouble. Pkt. 10 cts., ¼oz. 60 cts., oz. \$2.

Collarette. 2½ ft.

Centers of the 2½-inch blooms are short, quilled florets, surrounded by flat ones. Foliage practically odorless.

3A 2030 Crown of Gold. Bright golden orange. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Gigantea. 3 ft.

A remarkable new, sweet-scented, robust-growing, extremely large-flowered type.

3A 2032 Orange Sunset. Deep orange.

Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 2033 Sunset Giants. Rich mixture.

Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Gigantea. 15 in.

3A 2036 Pot O'Gold. Fragrant. Large, loosely formed flowers of deep orange-gold 4 inches in diameter, ball-like and double.

Pkt. 15 cts., ¼oz. 35 cts., oz. \$1.25.

3A 2037 Golden Bedder. Golden orange flowers have an outer row of guard florets surrounding a fully double crest. Quick-blooming. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Peony-flowered. 2½ ft.

Immense bomb-shaped blooms.

3A 2040 Golden Supreme. Glowing gold.

3A 2041 Orange Supreme. Intense orange.

Each, pkt. 15 cts., ½oz. 50 cts., ¼oz. 75 cts.

Dwarf Double. 12-15 in.

Good for edging a border or a bed containing other Marigolds.

3A 2044 Little Giants, Mixed. Pkt. 15 cts., ½oz. 50 cts., ¼oz. 75 cts.

Chrysanthemum-flowered. 2-3 ft.

Florets are curved like a chrysanthemum.

3A 2049 Mammoth Mum. Growing 3 feet, bears on long stems the largest flowers yet seen—4 inches across. Lemon-yellow.

High award in annual tests for 1944 of the All-America Seed Selections. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.

3A 2046 Early Sunshine. Bright yellow.

3A 2047 Golden Glow. Golden yellow.

Odorless.

3A 2048 Limelight. Light primrose-yellow.

Each, except where noted, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

Mission Giant Type

3A 2053 Goldsmith. Bushes are literally covered with large flowers, round, double and saffron-gold, 4 inches across, quilled and incurved. Starts to bloom early. 4 ft.

3A 2054 Yellowstone. Flowers are 3 inches in diameter, incurved, quilled, and highly attractive. Clear golden yellow. 4 ft.

Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Carnation-flowered. 1-2½ ft.

The florets are wide and waved.

● 3A 2056 Yellow Supreme. Lemon-yellow. 2½ ft.

● 3A 2057 Guinea Gold. Golden orange.

3A 2058 Dwarf Guinea Gold. Smaller plant. 1 ft.

Each, pkt. 20 cts., ¼oz. 50 cts., oz. \$1.50.

Collection of Marigolds

For a splendid yellow, orange, and red flower-bed.

Three varieties marked ●: GUINEA

GOLD, YELLOW SUPREME, SPRY.

3A 2957 3 pkts., one of each, 50 cts.

3A 29572 ¼oz. each \$1.25:

3A 29573 One ounce each \$4.

FRENCH MARIGOLDS

Scabious-flowered

Flowers have a pincushion-like, cone-shaped center, surrounded by a few flattened petals. Splendid for cut-flower purposes, and very decorative in the garden.

3A 2068 Sunkist. Neat, low-growing plant starts to bear double orange-colored blooms early, and is a blaze of flowers until frost. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

3A 2062 Butterball. Flowers 1½ in. across, canary-yellow, so bright that they seem to glow with their own light. Butterball is a yellow counterpart of Sunkist (above). 9 in. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2063 Dwarf Harmony. Orange crest with maroon-brown collar of broad florets. 1 ft. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

3A 2064 Harmony Hybrids. Double blooms average 1¾ inches across and colors include orange and yellow selfs and combinations of maroon blotchings and stripings. 12 to 14 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

3A 2066 Scarlet Glow. Bushy, foot-high sort, with fiery red flowers 2 inches across. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

● 3A 2067 Spry. Only 9 inches high. Covered with double flowers, each having a crested center of light yellow, surrounded by flat outer florets of maroon. Pkt. 20 cts., ¼oz. 50 cts., oz. \$1.50.

Dwarf Doubles

3A 2077 Royal Scot Alldouble. Rich mahogany and gold in uniform stripes. 1 ft.

3A 2078 Yellow Pygmy. Blooms less than an inch across, light lemon-yellow. 9 in.

Each, pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50

3A 2074 Lemon Ball. Lemon-yellow. 1 ft.

3A 2075 Mahogany. Mahogany-brown.

1 ft.

3A 2079 Mixed. Contains all colors.

Each, pkt. 10 cts., ¼oz. 35 cts., oz. \$1.25

Dwarf Singles

3A 2086 RED HEAD. Bronze Medal, All-America Seed Trials for 1948. The flower opens mahogany-red, when the variety is the reddest of all Marigolds. As the flower ages, it gradually changes to bronzy gold. Blooms are 2 inches across, while the bushy plants are 12 to 15 inches tall, uniform and a handsome bronze-green. Splendid edging or bedding subject. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1, oz. \$3.

3A 2085 NAUGHTY MARIETTA. Hon. Mention, All-America Seed Trials for 1947. Mound-like plants covered with 2½-inch, bright gold flowers. Each floret is blotched and striped with red. Plants are 1 foot high. Pkt. 15 cts., ½oz. 60 cts., ¼oz. \$1, oz. \$3.

3A 2083 FLASH. Most blooms have a tangerine base, overlaid rich red, but others range from vivid red through bronze to yellow. Flowers 1¾ inches across. 18 in. Pkt. 15 cts., ¼oz. 30 cts., oz. \$1.

3A 2084 Legion of Honor (Little Brownie). Golden yellow, crimson blotch. 9 in. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

Winter-flowering Marigolds

3A 2061 Sawco Strain. For indoor growing. Outer florets are beautiful mahogany, with a large pin-cushion center of golden yellow, suffused mahogany. Pinch plants when they are 8 inches high. 2½ ft. Pkt. 50 cts., 3 pkts. \$1.25, 6 pkts. \$2.

IMPROVE YOUR LAWN

with an occasional dose of LAWNSPREAD. May be used at any time of the year. Unit of 25 pounds treats 200 to 400 square feet and costs \$3.



Mignonette, Red Monarch

MIGNONETTE • *Reseda*

Annual. Well-known, sweet-scented flowers. At home everywhere, either in the greenhouse, garden, or sitting-room.

3A 2106 **Red Monarch.** The deepest red Mignonette. Flower-spikes thick and heavy. *Very sweet-scented.* Recommended as an outdoor garden plant and for under glass. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 2107 **S. & W. Co's Triumph.** Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and larger. 15 in. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.

3A 2104 **Allen's Defiance.** Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be 12 inches long. The individual florets are of remarkable size. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 2105 **Machet.** Dwarf variety, with broad spikes of very fragrant red flowers. One of the best for garden or pot-culture. 10 in. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 2101 **MESEMBRYANTHEMUM crystallinum** (Ice Plant). *Annual.* Dwarf, trailing; pink flowers and glistening foliage. 8 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

3A 2102 **Criniflorum, Mixed.** *Annual.* Attractive colors. Spreading plant. 3 in. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1. oz. \$3.



Nemesis

MYOSOTIS • *Forget-me-not*

Perennial. Needs slight cover over winter. Sow spring or summer. Alpestris sorts bloom in April; Palustris, May to fall.

Alpestris (*sylvatica*) Varieties

3A 2118 **Royal Blue.** Rich dark indigo-blue. 12 in. Pkt. 15 cts., 1/4oz. \$1. oz. \$3.50.

3A 2116 **Oblongata, Blue Bird.** True blue. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

3A 2120 **Victoria, Blue.** 8 in. Clear indigo-blue. Bushy.

The following sorts are helpful when a multicolor edging is planned for a flower-bed.

3A 2121 **Victoria White.**

3A 2122 **Victoria Rose.**

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75, oz. \$6.

Palustris Varieties

3A 2119 **Semperflorens.** (Everblooming Forget-me-not). Large, clear blue flowers. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 85 cts., oz. \$3.

3A 2117 **Ruth Fischer.** Blue blooms 1/2 in. in diameter. For pot-culture and bedding. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.



Myosotis, Royal Blue

3A 2112 **MIMOSA pudica** (Sensitive Plant). *Green-house and Bedding Plant.* 2 ft. Leaves close when touched. Lavender flowers. Pkt. 10 cts., 1/4oz. 60 cts., oz. \$2.

3A 2151 **NEMESIA.** *Annual.* Flowers are short tubes with broad, flattened lips. Brilliant bedding plants. Large-flowered mixture. 12 in. Pkt. 15 cts., 1/8oz. \$1.

3A 2153 **NEMOPHILA insignis, Blue** (Baby Blue-Eyes). *Annual.* Bright sky-blue. 6 in. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

3A 2155 **NEPETA Mussini** (Ground Ivy). *Perennial.* Branching plant with clusters of blue flowers open in May and June. 1 1/2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 2163 **NIEREMBERGIA, Purple Robe** (Cup-flower). *Perennial; treated as an Annual.* Sow in early spring indoors, and transplant in May. Mat-like edging plant; deep violet-blue flowers, 1 1/4 inches across. 6 in. Pkt. 35 cts., 3 pkts. \$1.

EVERLASTINGS: Flowers to be gathered in bud, hung for two months in paper-wrapped bunches to dry, and make colorful winter decorations, include *Statice sinuata*. Others are *Acroclonium*, *Celosia plumosa*, *Catananche*, *Echinops*, *Edelweiss*, *Globe Amaranth*, *Helichrysum*, *Honesty*, *Lavender*, *Physalis* and *Ornamental Grasses*.



Nasturtium, Dwarf or Globe

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. All they need is a sunny position.

Dwarf or Globe Types Sweet-scented

Double, fragrant flowers; compact plants, without runners. For borders, edging, pots.

3A 2126 **Mahogany Globe**

3A 2128 **Ruby Globe**

3A 2125 **Golden Globe**

3A 2129 **Scarlet Globe**

3A 2127 **Orange Globe**

3A 2130 **Dwarf Globe Mixture**

Each, pkt. 15 cts., oz. 40 cts., 1/4lb. \$1.25, lb. \$4

3A 2958 **COLLECTION:** Pkt. each, 5 colors, 60c.

Semi-Dwarf or Gleam Types Sweet-scented

Double, fragrant flowers; plants have short runners. For rock-garden or window-boxes.

3A 2139 **Salmon Gleam**

3A 2135 **Mahogany Gleam**

3A 2136 **Moon Gleam** (golden cream)

3A 2134 **Golden Gleam**

3A 2138 **Scarlet Gleam**

3A 2137 **Orange Gleam**

3A 2140 **Glorious Gleam Mixture**

Each, pkt. 15 cts., oz. 40 cts., 1/4lb. \$1.25, lb. \$4

3A 2959 **COLLECTION:** Pkt. each, 6 colors, 75c.

Tom Thumb or Bedding (Single)

3A 2144 **Large-flowered, Dwarf, Mixed.**

Pkt. 10 cts., oz. 35 cts., 1/4lb. \$1.25, lb. \$4.

Tall or Climbing (Single) 6 to 10 ft.

3A 2145 **Large-flowered, Tall, Mixed.** Pkt.

10 cts., oz. 35 cts., 1/4lb. \$1.25, lb. \$4.



Nepeta Mussini



Nicotiana affinis

NICOTIANA • Scented Tobacco

Easily grown annuals with broad leaves and spikes of fragrant trumpet-flowers.

- 3A 2157 **Affinis**. Fragrant white, star-shaped flowers, 3 inches across. 2 to 3 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.
 3A 2158 **Affinis Hybrids, Mixed**. A fine assortment of colors; highly perfumed. 2 to 3 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.
 3A 2159 **Crimson Bedder**. Compact. 20 in. Pkt. 10 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.
 3A 2160 **Miniature White**. Small-flowered; delightfully scented. For bedding and pots. 1 1/4 ft. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.

NIGELLA (Love-in-a-Mist; Fennel Flower.) An easily grown annual with cup-shaped flowers partly hidden by lace-like foliage.
 3A 2165 **Miss Jekyll**. Sky-blue; double. 2 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.
 3A 2167 **NOLANA, Blue Ensign** (Chilean Bellflower). 1 ft. Annual. Bedding or greenhouse. Ultramarine flowers on 6-in. stems. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.



Nigella, Miss Jekyll

Giant-Flowered Pansies

TREAT AS ANNUALS OR BIENNIALS

Sow in April and again in July and August in a light, cool, but well-moistened soil, enriched with General Garden Fertilizer. Cover them three times their diameter, and firm the soil. Seed-bed should not be allowed to dry out. Transplant to 1 foot apart. Protected in winter under glass, summer-sown plants are put out in bloom in April; carried over in the open they flower a month later.

SUPER-PASTORAL GIANTS. Superb strain of giant fancy Pansies. A vigorous root-system enables it to bloom well into hot weather. Flowers are round, of immense size, firm texture with strong stems.

- 3A 2171 **Emperor William Blue**
 3A 2172 **Light Lavender**
 3A 2173 **Pure Golden Yellow**
 3A 2174 **Snow-White**
 3A 2177 **Super-Pastoral Giants, Mixed**
 Each, pkt. \$1, 1/4oz. \$3.50, 1/2oz. \$6, 1/2oz. \$10, oz. \$35

Pastoral Giants

The Pastoral Giants embrace a wider range of color than other large Pansies. Many are filled and sweetly perfumed.

- 3A 2181 **Pure Golden Yellow**.
 3A 2183 **Pure Snow-White**.
 3A 2182 **Lavender** (light).
 3A 2179 **Emperor William Blue** (dark).
 3A 2180 **Fancy Red Shades**.
 3A 2178 **Bronze Shades**.
 3A 2184 **Yellow, Dark Eye**.
 3A 2187 **Pastoral Giants Mixed**.
 Each, pkt. 50 cts., 1/4oz. \$2, 1/2oz. \$3.50, 1/2oz. \$6, oz. \$20

3A 2188 **SAWCO EXHIBITION STRAIN**. Includes the finest varieties, with blooms of good size, splendid texture, and plants of robust constitution. Every color combination is included. Pkt. 50 cts., 1/2oz. \$2.50, 1/4oz. \$4, oz. \$15.

3A 2190 **SWISS GIANT, MIXED**. Large, blooms of good shape; many unusual shades. They stand warm weather well. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$2, 1/4oz. \$3.50, oz. \$12.

3A 2191 **NON PLUS ULTRA, MIXED**. For the gardener who desires his beds of good quality and with every color. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2, 1/4oz. \$3, oz. \$10.

3A 2192 **MIXED BEDDING PANSIES**. Pkt. 15 cts., 1/2oz. \$1, 1/4oz. \$1.50, oz. \$5.

CENOTHERA (Evening Primrose). Perennial. Its flowers open in the afternoon.

3A 2169 **Clutei**. Soft creamy yellow. 4 ft. Pkt. 20 cts., 1/4oz. 60 cts., oz. \$2.

3A 2198 **PASSIFLORA cœrulea** (Passion Flower). Perennial. Handsome rapid climber for the greenhouse or sunny positions in the open. Large violet-blue flowers. Pkt. 25 cts., 1/2oz. \$1, 1/4oz. \$1.50, oz. \$5.

3A 2331 **PHACELIA campanularia** (California Bluebell). Annual. Blue flowers all summer. Charming edging plant. 1 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 2362 **PHYSALIS Francheti** (Chinese Lantern). Perennial. Giant strain. Produces the familiar scarlet lantern fruits. May be had first year from seed if sown early. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

3A 2194 **BABY DELIGHT**. Beautiful waved blooms are light blue. They appear in ten weeks from seed. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50, 1/4oz. \$2.50.

3A 2195 **CORONATION GOLD**. Flowers 3 inches across, with ruffled edges. Color is canary-yellow, lower petals flushed orange. Pkt. 25 cts., 3 pkts. 60 cts., 1/2oz. \$2.50.

Giant Greenhouse Pansies

3A 2196 **SAWCO STUPENDOUS**. Remarkable strain of gigantic proportions for indoor culture, offered exclusively by us. The plants grow 4 feet high. Carried on thick, stiff stems, 18 inches long, are enormous flowers 4 to 4 1/2 inches across and in a complete color-range. For the professional gardener and producing florist. May be grown in the open, also, but with winter protection. Pkt. \$2, 3 pkts. \$5.



Pansies

PENTSTEMON (Beard Tongue). Treat as an Annual. Attractive perennial producing sprays of bright-colored tubular flowers. Good bedding plant. Give it the same culture as Salvia, sowing seed in March, and it will be effective same summer.

3A 2200 **Sensation**. Rose, red, carmine, cherry, lilac, purple, etc. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts., 1/2oz. \$1, 1/4oz. \$1.50.

3A 2364 **PHYSTEGIA, Summer Snow** (False Dragonhead). Perennial. Bears spikes of pure white, tubular flowers. 4 ft. Pkt. 25 cts., 3 pkts. 60 cts., 1/2oz. \$1, 1/4oz. \$1.50.

PLATYCODON (Balloon Flower; Oriental Bellflower). Perennial. Beautiful plants with showy bell-shaped flowers. Bloom the second year from seed.

3A 2367 **Grandiflorum**. Steel-blue; 2 1/2 ft. Pkt. 25 cts., 1/2oz. 75 cts., 1/4oz. \$1.25.

FOR YOUR CONVENIENCE

You may order by Number. If you care to specify the value, no further details are needed. For example, 3A 2192... \$1 indicates that we may supply 1/2oz. Mixed Bedding Pansies.



3A 2067. MARIGOLD, Spry. 9 in. Pkt. 20 cts.,
1/4oz. 50 cts., oz. \$1.50



3A 2057. Center, MARIGOLD, Guinea Gold. 2 1/2 ft.
3A 2056. Bottom, MARIGOLD, Yellow Supreme. 2 1/2 ft.
Each, pkt. 20 cts., 1/4oz. 50 cts., oz. \$1.50

Gorgeous MARIGOLDS

Here is an assortment of choice Marigolds that will give you a splendid flower-bed—yellow, orange and red—which will be a riot of color from July to frost. It comprises the three varieties shown at left—**Spry** (dwarf), **Guinea Gold** and **Yellow Supreme** (tall).

2A 2957. COLLECTION: 3 pkts., one each, 50 cts.

2A 2952. COLLECTION: 1/4oz. each, **\$1.25**

RED, WHITE and BLUE MORNING-GLORIES

OFTEN 4 INCHES IN DIAMETER

All three are excellent for covering walls, trellises, arbors, fences or stumps of trees. Select a sunny situation and sow in the open when the weather has become warm. Thin to 6 inches between plants.

3A 1914. **Scarlett O'Hara**. Carnelian-red.

3A 1913. **Pearly Gates**. Glistening white.

Above 2, pkt. 25 cts., 1/2oz. 75 cts., oz. \$1.25,
1/4lb. \$4

3A 1912. **Heavenly Blue**. Illustrated.

Pkt. 20 cts., 1/2oz. 60 cts., oz. \$1,
1/4lb. \$3.50.

3A 2955. COLLECTION:

3 pkts., one each
above, 50 cts.

*Order the
individual varieties
if you prefer*



MORNING-GLORY
Heavenly Blue



Balcony PETUNIAS

For borders, beds, and rock-gardens; their spreading habit enables them to festoon over window-boxes, porches and walls. Flowers 3 inches across.

3A 2281. **White**.

3A 2280. **Rose**. Pure rose-pink.

3A 2278. **Crimson**. Rich deep
crimson.

3A 2277. **Blue**. Velvety violet-
blue.

3A 2279. **Purple**. Velvety
violet-purple.

Each, pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50

3A 2962. COLLECTION: Pkt. each above 5 colors, \$1

3A 2282. **Balcony, Mixed**. All colors. Pkt. 20 cts., 1/8oz. 75 cts.,
1/4oz. \$1.25.

ANNUALS for a Brilliant Garden

SCABIOSA • Mourning Bride; Pincushion Flower

Left. Grow about 2½ feet high and bloom from early July until frost. For cutting they are very popular, and equally so for borders or beds. Sow seeds in the open in spring.

3A 2506. ***Shasta**. Pure white with blooms 3 to 4 inches in diameter.

3A 2504. ***Rosette**. Beautiful deep rose suffused with salmon; extra-large flowers.

3A 2498. ***Blue Moon**. The large, double flowers are cone-shaped and a rich deep lavender-blue color. Invaluable for the home-garden and as a florists' cut-flower.

3A 2503. ***Rich Red**.

3A 2499. ***Black Knight**. Purplish black.

3A 2507. ***Yellow**.

3A 2501. **Orchid Shades, Mixed**. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink mauve, crushed strawberry, and others.

Above, each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2

3A 2965. **COLLECTION**: Pkt. each 6 sorts above marked (*), 75 cts.

VERBENA

Bottom left. Mostly creeping annuals with clusters of showy flowers. Sow in May, or earlier under glass. Thin to 1 foot.

3A 2766. **Etna**. Vivid scarlet with small yellow eye.

3A 2768. **Lavender Glory**. Lavender with cream-white centers.

3A 2769. **Royale**. Royal blue primrose-yellow eye.

3A 2770. **Salmon-Pink**. Even tone.

3A 2772. **White King**. Pure white.

Above, each, pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50

3A 2971. **COLLECTION**: 5 pkts., one each, \$1

3A 2773. **Giant-flowering, Mixed**. All shades. Pkt. 15 cts., ½oz. 75 cts., ¼oz. \$1.25.

PORTULACA • Sun-Plant

Below. Ground-hugging 6-inch plants with narrow, fleshy leaves and 1-inch flowers which open only in fine weather. Brightly colored. Of easy culture in a sunny situation. Fine for beds, edgings, on rockwork or broadcast over sunny banks. Large, double flowers.

3A 2406. **White**. 3A 2404. **Pink**. 3A 2407. **Yellow**. 3A 2405. **Scarlet**.

Each, pkt. 25 cts., ½oz. \$1.25, ¼oz. \$2

3A 2983. **COLLECTION**: 4 pkts., one each, 75 cts.

3A 2410. **Double Mixed**. Pkt. 20 cts., ½oz. 60 cts., ¼oz. \$1.

THE ANNUAL PHLOX

Right. Brilliant free-flowering 15-inch-high bedding plants. Sow outdoors in May, or earlier indoors. Flowers are gigantic.

3A 2340. **Chamois-Rose**. Shell-pink.

3A 2342. **Purple**.

3A 2341. **Scarlet**.

3A 2343. **White**.

3A 2344. **Yellow**.

3A 2345. **Mixed**.

Each, pkt. 20 cts., ½oz. 60 cts., ¼oz. \$1

3A 2963. **COLLECTION**: Pkt. each 5 colors, 75 cts.



Brilliant Petunias

Petunias are ideal for beds, porch-boxes or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

First two groups are Giant varieties, mostly 15 inches tall; 3 to 4-inch flowers.

Giant Single Fringed

- 3A 2204 **Pride of Portland.** Rose-pink.
3A 2205 **Scarlet Beauty.** Scarlet.
3A 2206 **Theodosia.** Large; soft rose-color, with a golden throat, beautifully veined.
3A 2207 **Violacea.** Velvety violet-blue.
3A 2208 **White Beauty.** Clear, crisp white.
3A 2215 **Single Fringed, Mixed (Fluffy Ruffles).**

Each, pkt. 25 cts., 5 pkts. \$1

3A 2960 **COLLECTION:** Pkt. each, above 5 colors, \$1

- 3A 2202 **Dainty Lady.** The flowers are fringed, medium in size and light golden yellow. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.
3A 2203 **Glamour.** Single, frilled flowers, over 5 inches across. Rosy salmon; cream throat. Early. 20 in. Pkt. 50 cts., 3 pkts. \$1.25.

Giant Single Plain-edged

- 3A 2219 **Elk's Pride.** Large; dark purple.
3A 2218 **Dwarf Pink Glory.** Deep rose.
3A 2220 **Purple Prince.** Purple-violet.
3A 2222 **White Cloud.** Large; pure white.

Each, pkt. 25 cts., 5 pkts. \$1

3A 2961 **COLLECTION:** Pkt. each, above 4 colors, 85 cts.

- 3A 2217 **Dwarf Elk's Pride.** Shorter by 3 inches, it is a splendid edging variety. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.50.
3A 2216 **Burgundy.** Mixture of purple and carmine; each flower with white throat and violet lines. Pkt. 25 cts., 3 pkts. 60 cts.
3A 2221 **Snowstorm Improved.** Glistening white; yellow suffusion in throat. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$2.

All-Double Petunias

- 3A 2236 **Dwight D. Eisenhower.** Silver Medal, All-America Seed Trials, 1947. The first all-double salmon-pink. Flowers are $2\frac{3}{4}$ inches across, covering the 16-inch bushy plants. Pkt. \$2.
3A 2235 **Rose Marie.** Bronze Medal, All-America Seed Trials, 1947. Rose-pink flowers, 3 inches across. Bushy plants 18 inches high. For room decoration and garden display. All-double. Pkt. \$1.
3A 2234 **Colossal Shades of Rose.** Silver Medal, All-America Seed Trials, 1946. All-double flowers up to $5\frac{1}{2}$ inches; a mixture of pinks. Plants have heavy stems and luxuriant foliage. $1\frac{1}{2}$ ft. Pkt. \$1.
3A 2233 **America All-double.** Shapely foot-high plants covered all summer with mauve-pink flowers like carnations, $3\frac{1}{2}$ inches across. Silver Medal, All-America Seed Trials, 1943. Pkt. 50 cts., 3 pkts. \$1.25.

Dwarf Giant Fringed

New Pan-American types; dwarf plants but giant fringed all-double flowers.

- 3A 2246 **Sonata.** Pure white.
3A 2243 **Caprice.** Beautiful rose-pink.
3A 2242 **Allegro.** Charming salmon-pink.
3A 2244 **Nocturne.** Purple.
3A 2245 **Minuet.** Orchid-pink.
3A 2247 **Mixed Colors.**

Above, each, pkt. \$1.50

- 3A 2260 **Double Fringed Mixed.** (California-grown seed.) Double, semi-double, and a few single flowers. Large, fringed. Wide color-range. Pkt. 60 cts., 3 pkts. \$1.50.

3A 2237 New Petunia SILVER MEDAL

Winner of Silver Medal, All-America Seed Trials for 1949. One of the finest single Petunias. Flowers 3 inches across are carried in abundance from early summer to frost. They open lustrous salmon-rose with an orange undertone, gradually changing to rich salmon. Plants are 1 foot high, compact, bushy and average 18 to 20 inches across.

Pkt. 50 cts.

Miniature Types

Ball-shaped plants 6 to 8 inches high are covered with flowers 2 inches in diameter, deeply lobed and broad-pointed.

- 3A 2270 **Rose Gem** 3A 2271 **Violet Gem**
3A 2272 **Mixed**

Each, pkt. 35 cts., 3 pkts. \$1, $\frac{1}{2}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50

Ruffled Petunias

- 3A 2261 **Copper-Red.** Unusual color; the wide throat is darker red. Pkt. 50 cts., 3 pkts. \$1.25.

- 3A 2262 **Dwarf Giants of California.** Large flowers with yellow throats, heavily veined. Compact, vigorous. Mixed colors. Pkt. 35 cts., 3 pkts. \$1, 6 pkts. \$1.75.

- 3A 2263 **Little Giants, Mixed.** Ruffled Nana Compacta type. Flowers 4 inches across, frilled and ruffled. All colors from white through pink to red. Compact plants. 10 in. Pkt. 50 cts., 3 pkts. \$1.25.

- 3A 2264 **Garden Giants.** Large plants with 4-inch ruffled blooms and a wonderful range of color. Strongly recommended. Mixed pkt. 50 cts., 3 pkts. \$1.25.

Single Balcony, Plain-edged

Petunia hybrida pendula

For borders, beds, and rock-gardens; their somewhat spreading habit enables them to festoon themselves over window-boxes, porches and walls. Flowers 3 inches across.

- 3A 2281 **Balcony White.**
3A 2280 **Balcony Rose.**
3A 2278 **Balcony Crimson.**
3A 2277 **Balcony Blue.**
3A 2279 **Balcony Purple.**

Each, pkt. 25 cts., $\frac{1}{2}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50

3A 2962 **COLLECTION:** Pkt. each, above 5 colors, \$1

- 3A 2282 **Balcony Mixed.** All colors. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Novelty Petunias

- 3A 2287 **Pink Sensation.** Wonderful new pink. All-America Prize Winner for 1948. Flowers are 3 inches across. Abundant bloom all season. 2 ft. tall and 4 ft. through. Pkt. 50 cts., 3 pkts. \$1.25.

- 3A 2288 **Peach Red.** Two-inch single salmon-rose flowers, plain edged. Honorable Mention, All-America, 1946. 15 in. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

Single Bedding (*P. hybrida*; $1\frac{1}{2}$ ft.)

- 3A 2297 **Igloo.** Beautiful new cream-white, $1\frac{1}{2}$ -inch flowers with yellowish throats. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$2.

- 3A 2298 **Radiance.** Flowers are from $2\frac{1}{2}$ to 3 inches in diameter and a brilliant rich rose or cerise, with a salmon undertone. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{2}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

- 3A 2294 **Blue Bedder.** Rich, royal blue. Effective when planted in beds. Also as a pot-plant. Pkt. 15 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

- 3A 2296 **Flaming Velvet.** Flowers are a brilliant velvety scarlet. Outstanding in every way. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

- 3A 2295 **General Dodds.** Velvety dark red or garnet. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

- 3A 2300 **Rose King Improved.** Flowers large, brilliant rose-pink. Pkt. 20 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

- 3A 2299 **Topaz Queen.** Light cerise-red or topaz-rose; fragrant. $1\frac{1}{2}$ ft. Pkt. 20 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

- 3A 2306 **Bedding, Mixed.** Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

Dwarf Bedding (*P. compacta*; 9-12 in.)

- 3A 2307 **Bright Eyes.** Winner of the Bronze Medal, All-America Seed Trials for 1946. Flowers are single, rose-pink with a white throat; they are small, but the stocky 10-inch plants are covered with them. Similar to Rosy Morn, but better. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$1.75; $\frac{1}{4}$ oz. \$3.

- 3A 2309 **Cheerful.** Dwarf, compact type, covered all season with large, light salmon-pink blooms 2 inches across. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$2; $\frac{1}{4}$ oz. \$3.50.

- 3A 2311 **English Violet.** Mauve or purple-violet; invaluable for novel color combinations in flower-bed planting. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

- 3A 2312 **First Lady.** Blooms are $2\frac{1}{2}$ inches across and light blush-pink. Compact and uniform. Pkt. 50 cts., 3 pkts. \$1.25.

- 3A 2308 **Celestial Rose.** Deep satiny rose with a white throat. Shapely and compact. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{2}$ oz. \$1.25; $\frac{1}{4}$ oz. \$2.

- 3A 2310 **Cream Star.** Moderately large flowers of a soft cream-white, having an inner star-shaped mark of a darker cream. 15 in. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

- 3A 2313 **Glow.** Plant is covered with medium-sized, rose-red flowers with lighter throat. Pkt. 25 cts., 3 pkts. 60 cts.

- 3A 2314 **Heavenly Blue (Silver Blue).** Enchanting shade of light silvery blue. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{2}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

- 3A 2315 **Rose of Heaven.** Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

- 3A 2316 **Rosy Morn.** Carmine-pink; white throat. Pkt. 15 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

- 3A 2318 **Velvet Ball.** Compact and free-flowing. Flowers $2\frac{1}{2}$ inches in diameter; velvety blood-red. Pkt. 50 cts., 3 pkts. \$1.25.
3A 2319 **Violet-Blue.** Rich violet within and bright blue without. Compact and covered with flowers all summer. 9 to 12 in. Pkt. 25 cts., $\frac{1}{2}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

- 3A 2320 **Compacta Mixed.** Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.



Phlox, Salmon Glory

The Annual Phlox

Brilliant free-flowering bedding plants. Sow outdoors in May, or earlier indoors.

Drummondii Gigantea

Flowers are very large.

3A 2334 **Red Glory**. Light crimson flowers, $1\frac{1}{4}$ inches across, each with cream-white eye. $1\frac{1}{2}$ ft.

3A 2335 **Rosy Morn**. Each floret is as large as a fifty-cent piece and is brilliant rose in color, with a white center. 1 ft.

3A 2336 **Salmon Glory**. Large salmon-pink flowers, each with a cream-white eye. 10 in.

3A 2333 **Gigantea, Art Shades**. Flowers $1\frac{1}{2}$ inches across and in soft pastel colors. 9 in.

Each, pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.25

Large-flowering Tall, 15 in.

3A 2340 **Chamois-Rose**. Shell-pink.

3A 2342 **Purple** 3A 2341 **Scarlet**

3A 2343 **White** 3A 2344 **Yellow**

3A 2345 **Tall Mixed**

Each, pkt. 20 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

3A 2963 **COLLECTION**: Pkt. each 5 colors, 75 cts.

Large-flowering Dwarf, 6 in.

3A 2350 **Apricot** 3A 2355 **Yellow**

3A 2353 **Scarlet** 3A 2352 **Purple**

3A 2351 **Chamois-Rose**. Shell-pink.

3A 2354 **White** 3A 2356 **Dwarf Mixed**.

Each, pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. 75 cts.
3A 2964 **COLLECTION**: Pkt. each 6 colors, \$1

3A 2361 Hardy Phlox

Large-flowering hybrids, tall mixed. Perennial. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

ANNUAL POPPIES

Sow in spring, thin to 6 inches; again in fall for next year. They do not transplant.

3A 2374 **American Legion**. (Single Shirley Type.) Enormous orange-scarlet flowers. $2\frac{3}{4}$ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

3A 2375 **Sweet Brier**. Large double fluted blooms that are a striking deep rose-pink. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 2378 **Single Shirley, Mixed**. Graceful. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

3A 2379 **Double Shirley, Mixed**. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

PERENNIAL POPPIES

ORIENTAL (*Papaver orientale*). Hardy Perennials. Enormous, brilliant flowers. Sow in spring. Plants disappear in July, reappear in fall.

3A 2383 **Princess Victoria**. Salmon.

3A 2382 **Oriflamme**. Orange-scarlet.

3A 2384 **Scarlet**.

Above 3, each, pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1

3A 2390 **Finest Mixed**. Pkt. 20 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, oz. \$4.

ICELAND (*Papaver nudicaule*). Although perennials, these will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, from which issue slender flower-stalks about 1 foot high.

3A 2393 **The Emperor**. Fine deep tangerine. Flowers are fluted and have a tendency to be semi-double. $1\frac{1}{2}$ feet high.

3A 2394 **The Empress**. Lovely salmon-rose and pink. Fluting and wrinkling make the large flowers appear semi-double.

3A 2395 **Yellow Wonder**. New variety 3 feet high. flowers measure 4 to 6 inches across and are bright buttercup-yellow.

Above 3, each, pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.50

3A 2391 **Coonara Pink**. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

3A 2392 **Sanford's Giant Strain, Mixed**. Very long stems bearing large flowers make this kind invaluable. All colors.

Above 2, each, pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1

3A 2400 **Iceland Poppies, Single Mixed**. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

3A 2401 **TIBETAN POPPIES** (*Meconopsis Baileyi*). A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Seed is very slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

PORTULACA (Sun-Plant). Annual. Ground-hugging 6-inch plants with narrow, fleshy leaves and 1-inch flowers which open only in fine weather. Brightly colored. Of easy culture in a sunny situation. Fine for beds, edgings on rockwork, etc.

Double Grandiflora

3A 2406 **White** 3A 2404 **Pink**

3A 2407 **Yellow** 3A 2405 **Scarlet**

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2

3A 2983 **COLLECTION**: Pkt. each 4 colors, 75 cts.

3A 2410 **Double Mixed**. Pkt. 20 cts., $\frac{1}{8}$ 60 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

3A 2411 **Single Grandiflora, Choice Mixed**. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.75.

POLEMONIUM (Jacob's Ladder). Perennial. Popular border plant; bell-shaped flowers 1 inch across. 2 ft. May-July.

3A 2372 **Coruleum grandiflorum**. Deep blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

POLYANTHUS (*Primula elatior*). Perennial. Trusses of flowers on 10-inch stems. Sow in May and transfer to permanent position in autumn. Protect over winter.

3A 2414 **Mixed Colors**. Pure white, through yellow to rich wallflower-red. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$2.50.

3A 2412 **Blue Beauty**. Fine blue Polyanthus Primrose. Pkt. 50 cts., 3 pkts. \$1.25.

Primula • Primrose

Greenhouse Plants and Hardy Perennials

Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting mostly of sand and leaf-mold worked through a fine sieve, and allow for good drainage. Cover seeds lightly, and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

3A 2415 **Single Hybrids, Mixed**. New and beautiful shades. Pkt. 75 cts., 3 pkts. \$2.

Primula obconica gigantea

Our improved strains outrival the old types; flowers often measure 2 inches across. 3A 2419 **Orchid-Lavender**. Unique light lavender. Large flowers in clusters. 3A 2420 **Orchid Purple**. Delightful shade. 3A 2424 **Wyaston Wonder**. Immense crimson flowers.

Above 3, each, pkt. 75 cts., 3 pkts. \$2

3A 2416 **Apple Blossom**

3A 2418 **Dark Rose**

3A 2421 **Rosea Mueller**. Bright rose.

3A 2423 **Sky-Blue** 3A 2422 **Scarlet**

3A 2417 **Crimson** 3A 2430 **Mixed**

Above 7, each, pkt. 50 cts., 3 pts. \$1.25

Primula malacoides • Baby Primrose

Handsome specimen plants and flowers that are exceptionally large and well formed.

3A 2435 **First Lady**. New. Whiter tinged pink; a large proportion are double.

3A 2431 **Cameo**. New. Lavender-orchid. A high percentage of large double flowers.

3A 2432 **Double Twinkles**. Soft flesh-pink.

3A 2434 **Enchantress**. Soft salmon-rose.

3A 2437 **Sweetheart**. Salmon-pink bordered white.

3A 2442 **Double Mixed**. The color-range includes pink, white, lavender, and orchid.

Above 6, each, pkt. \$1.50

3A 2443 **California, Mixed**.

3A 2436 **Lavender Glory**.

3A 2438 **Snowflake**. White.

Above 3, each, pkt. \$1.

3A 2433 **Double Fairy Jewels**. Double flowers, with a crested center; rich rose-pink, lighter edges. Pkt. \$1.50.

Hardy Primulas

3A 2444 **Beesiana**. Purple; yellow eye. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

3A 2445 **Bulleyana hybrida**. Orange, apricot, and carmine; 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

3A 2446 **Denticulata**. Rosy lilac; 1 ft. Pkt. 50 cts.

3A 2448 **Japonica splendens**. Blood; 2 ft. Pkt. 50 cts.

3A 2449 **Japonica, Choice Hybrids, Mixed**. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

3A 2450 **Lissadel, Red Hugh**. Fiery madder-red. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

3A 2451 **Sikkimensis** (Sikkim Cowslip). Yellow; fragrant. $1\frac{1}{2}$ ft. Pkt. 50 cts.

3A 2452 **Veris, Mixed** (Cowslip). 1 ft.

3A 2453 **Vulgaris**. The true English Primrose. Canary-yellow; fragrant. 6 in.

Above 2, each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50

3A 2454 **Waltoni**. Dark wine-colored, glossy flowers. 15 in. Pkt. 50 cts., 3 pkts. \$1.25

PYRETHRUM (Painted Daisy). *Perennial.* Attractive hardy plants with daisy-like flowers. Valuable for cut-bloom and garden display. Gaily colored.

3A 2455 Double Hybrids. The seed we are offering is grown by an expert who, after pains-taking effort, has produced a wonderful strain with large, very double flowers in distinct shades of pink, salmon scarlet, and pure white. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

3A 2456 Single Hybrids, Mixed. Grown specially for us in England. The flowers range from the palest pinks to deep red. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

3A 2457 RANUNCULUS, Tecolote Hybrids. *Perennial: treat as an Annual.* From a wild, large-flowered type, a variety of reds, yellows, orange, etc., have been produced. Includes singles, semi-doubles and doubles. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.

RUDBECKIA • Coneflower

Annual Varieties

3A 2463 Starlight. Large free-blooming, semi-double hybrids. The flowers vary; some are double, others single, some midway. Colors from primrose to mahogany. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.

3A 2461 My Joy. Bright orange, 5-inch flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

3A 2460 Kelvedon Star. 3 ft. The flowers are orange or yellow, and all have dark brown centers. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Perennial Varieties

3A 2459 Hirta Hybrids, Mixed. Sown indoors in March, they bloom same summer. Flowers are large, single, and each is of only one color; from deep mahogany through bronze and orange to yellow. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

3A 2462 Purpurea. Reddish purple; 4 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50.

SALPIGLOSSIS • Painted Tongue

Annual. Funnel-shaped blooms have veins through the groundwork. Sow in open in spring, or earlier indoors, and transplant.

3A 2467 Finest Tall Mixed. Orchid-flowering, or Superbissima hybrids. A mixture of choice color combinations—brown and gold, blue and gold; purple, scarlet and rose with gold; crimson, primrose, violet, etc. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 2468 Dwarf Giant-flowering, Mixed. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.



Salvia splendens

SALVIA • Scarlet Sage

Annuals, except where otherwise noted

Familiar bedding plants, covered with bloom throughout the summer. Sow seeds from February to April indoors.

3A 2476 Ostrich-Plume (Double Salvia.) The habit resembles the Splendens type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. 2 ft. Pkt. 35 cts., 3 pkts. \$1, $\frac{1}{4}$ oz. \$1.50.

3A 2475 Harbinger. A true, dwarf, large-flowering Salvia which commences blooming in July from early-sown seed. It makes beautiful symmetrical plants about 15 inches high, and is densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

3A 2472 America or Globe of Fire. The bushy plants do not grow over 15 inches high, with the large spikes of brilliant scarlet flowers well above the plant, making a total height of about 2 feet. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

3A 2478 Scarlet Dragon. Improved Splendens type; flowers are nearly double the size, closely crowding the immense spikes. 2½ ft. Pkt. 20 cts., 3 pkts. 50 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

3A 2479 Splendens (Scarlet Sage). Bright scarlet; very showy. 2½ ft. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

3A 2474 Bonfire. Compact bushes produce upright spikes of very brilliant scarlet flowers. 2½ ft. Pkt. 15 cts., 3 pkts. 40 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

3A 2482 Zurich. Valuable because of its earliness. Dwarf and bushy, with full, heavy spikes of scarlet flowers. 2 ft. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

3A 2473 Blaze of Fire. The dwarfiest of all bright scarlet Salvias, and by far the most brilliant. Ten to fourteen days earlier than the varieties used hitherto. 1 ft. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$2, $\frac{1}{4}$ oz. \$3.50.

3A 2477 Purple Splendens. Uniform, covered with purple flowers. 2½ to 3 ft. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

The Welwyn Salvias

These are 3 feet high and are entirely covered with large blooms. Invaluable for green-garden effect before the blooming period. To get the best results for late autumn bloom plants should be pinched back.

3A 2480 Welwyn Pink. A charming hue.

3A 2481 Welwyn White. Pure white.

Each, pkt. 50 cts., 3 pkts. \$1.25

Perennial Salvias

Farinacea types

Treat as annuals; sow in April to bloom July to October.

3A 2489 Farinacea. Light blue. 2½ ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

3A 2488 Blue Bedder. Compact, and deeper blue. A profuse bloomer. 3 ft. Pkt. 25 cts., 3 pkts. 60 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

3A 2490 Patens (Blue Sage). Sky-blue. Beautiful garden or greenhouse tender perennial which is treated as an annual, sowing seed early and transplanting. 2 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

3A 2496 SAPONARIA ocymoides. *Perennial.* Hardy rock-plant; small pink flowers. 9 in. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

SCABIOSA

Mourning Bride; Pincushion Flower

These beautiful annuals grow about 2½ feet high and bloom from early in July until frost. As a flower for cutting they are very popular, and equally so for borders or beds. Sow seeds in the open in spring.

Tall Annual Varieties

***3A 2498 Blue Moon.** The large, double flowers are cone-shaped, 2¼ inches in diameter, of rich deep lavender-blue. Invaluable for the home-garden and as a florists' cut-flower. Large columnar plants, 3½ ft.

3A 2500 Loveliness. The blooms range through varying tones of soft delicate rose. Unsurpassed as a cut-flower, having long stiff stems and delightful fragrance.

3A 2502 Peach Blossom. New shade of peach-blossom-pink. Flowers large, borne on long stems, and excellent for cut-blossoms. "Highly commended" by the R.H.S. (Eng.)

***3A 2504 Rosette.** Beautiful deep rose, suffused with salmon; extra-large flowers.

3A 2505 Salmon Beauty. Vigorous plant and enormous flowers. Color is pure salmon.

***3A 2506 Shasta.** Pure white, with immense blooms 3 to 4 inches in diameter.

***3A 2499 Black Knight.** Purplish black.

***3A 2503 Rich Red.**

***3A 2507 Yellow.**

3A 2501 Orchid Shades, Mixed. Blooms are large and on long stems; colors include mother-of-pearl pink, light pink, dark pink, mauve, crushed strawberry, and others.

Above 10, each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

3A 2513 Tall Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

3A 2965 COLLECTION: Pkt. each 6 sorts above marked (*), 75 cts.

Semi-Dwarf Varieties

3A 2514 Heavenly Blue. Ideal bedding variety because the plants are compact and the flowers are on short stems. They are cone-shaped and azure-blue. 1½ feet.

3A 2515 Peace. Fully double, white; ideal for displaying with a dark sort. Beehive-shaped flowers are 1¼ inches across.

Above 2, each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2

Perennial Varieties

3A 2520 Giant Hybrids (Isaac House Strain), Mixed. Larger flowers on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. Pkt. 25 cts., $\frac{1}{4}$ oz. 85 cts., $\frac{1}{4}$ oz. \$1.50.

3A 2519 Caucasica (Blue Bonnet). Valuable for cutting; lilac-blue. 3 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{4}$ oz. 85 cts., oz. \$3.

3A 2518 Caucasica alba. Beautiful white form. Pkt. 25 cts., $\frac{1}{4}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

3A 2494 SANVITALIA procumbens fl.-pl. *Annual.* Useful in beds, edges of borders, or in vases. Showy, double, yellow flowers. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.



Schizanthus, Giant-flowering Hybrids

SCHIZANTHUS

Fringe Flower; Butterfly Flower

Annual. Pretty, irregularly shaped, notched and blotched flowers, like small butterflies. Grown largely as a greenhouse plant, also of easy culture outdoors.

- 3A 2523 **Canadian Super-Giants.** Blooms 2 inches across. Rich colorings and unusual markings; distinct. Pkt. \$1, 3 pkts. \$2.50.
3A 2524 **Giant-flowering Hybrids, Mixed.** Used by professional gardeners and florists as a splendid pot-plant and cut-flower. 15 in. Pkt. 25 cts., 1/4oz. \$1, 1/4oz. \$1.50.

- 3A 2526 **SHAMROCK.** (True Irish.) Sow under glass around January 10 to have a supply of plants in pots by March 17. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

- SIDALCEA** (Checkerbloom). *Perennial.* Erect, mallow-like plants of easy culture.
3A 2527 **Stark's Hybrids.** Brightly colored. For cutting. Pkt. 15 cts., 1/4oz. 50 cts.

- 3A 2528 **SILENE Schafta** (Autumn Catchfly). *Perennial.* Pink flowers July-Sept. 4 to 6 in. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

- 3A 2530 **SOLANUM Capsicastrum** (Jerusalem Cherry). *Greenhouse Plant.* Dwarf, branching plants; bright scarlet berries. 15 in. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

- 3A 2588 **STOKESIA cyanea.** (Cornflower Aster. *Hardy Perennial.* Plant bears from twenty to thirty handsome lavender-blue cornflower-like blossoms often 3 to 4 inches across; July to frost. For the perennial border and indispensable for cutting. 2 ft. Pkt. 25 cts., 1/4oz. \$1.

- ALPINE STRAWBERRIES.** From Seed. An abundance of small but exceedingly sweet berries may be obtained within 12 weeks of sowing seed. Sow indoors in February or March; keep moist and shaded. Plant out in early May.

- 3A 2590 **Baron Solemacher.** Red fruits. Pkt. 25 cts., 3 pkts. 60 cts., 6 pkts. \$1.

- Plants of Alpine Strawberries ready April 1, \$1.75 per doz., \$3 for 25, \$10 per 100.

- 3A 2592 **STRELITZIA Reginae** (Bird-of-Paradise). Majestic greenhouse perennial with remarkable orange and blue flowers. 6 ft. Pkt. \$1.50. (Seed ready March 15.)

- 3A 2739 **TAGETES signata pumila, Little Giant.** Compact annual, with fern-like leaves. Yellow flowers, striped brown. 10 in.

- 3A 2738 **Gnome.** A large-flowered variety with beautiful golden yellow flowers. 6 in.

- Above, each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

- 3A 2741 **TAHOKA DAISY.** Sow in the open in early spring to produce plants which will bear 1 1/2-inch blue daisies from July to October. Pkt 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

STOCKS

Fragrant and showy plants of simple culture. For the garden and greenhouse.

For outdoor blooming sow early, so as to reach the bud stage before the average temperature exceeds 60° F.

Early Giant Imperial Stocks

These bloom very quickly and continue through the summer. Plants are of branching habit, 2 to 2 1/2 feet high.

- *3A 2549 **Antique Copper.** Rich Hellebore-red, over-laid with copper. Fully double.

- *3A 2552 **Buttercup.** An improved new yellow Stock of a rich deep tone.

- *3A 2556 **Elk's Pride.** An intense royal purple; sweetly perfumed, double flowers.

- *3A 2558 **Shasta.** A new, glistening, giant white, with longer stems and more blooms.

- *3A 2553 **Chamois-Rose**

- 3A 2550 **Apple Blossom**

- 3A 2554 **Dark Blue**

- 3A 2551 **Blood-Red**

- 3A 2555 **Deep Rose**

- *3A 2557 **Lavender**

- 3A 2564 **Mixed**

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75

3A 2966 **COLLECTION:**

Pkt. each of 6 varieties marked *, \$1.25

NON-BRANCHING or COLUMNAR

TYPE. For greenhouse forcing. Each plant produces only one stem, on which is the large flower-spike of from 15 to 20 blooms. A high percentage of the plants are double. 3 ft.

- 3A 2565 **American Beauty.** Similar to the American Beauty Rose.

- 3A 2566 **Ball Blue.** Rich lilac shade.

- 3A 2567 **Ball Supreme.** Rich silvery rose; extra-long, heavy spikes.

- 3A 2572 **Purple.** Deep purple.

- 3A 2570 **Gardenia.** Waxy white.

- 3A 2576 **Yellow Wonder**

- 3A 2568 **Chamois-Rose**

- 3A 2569 **Deep Rose**

- 3A 2571 **Lilac-Lavender**

- 3A 2573 **Pure White**

- 3A 2574 **Ruby**

- 3A 2575 **Silvery Lilac**

- 3A 2582 **Mixed**

Each, pkt. 50 cts., 3 pkts. \$1.25

Giants of California

Ideal new greenhouse type with long flower-spikes, 70% double. Quick-growing, immense florets, and especially good colors.

- 3A 2583 **Santa Maria.** White.

- 3A 2584 **Mixed**

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75

STATICE (Sea Lavender). *Annuals except Caspia and Perezii, which are perennials* Everlasting. Cloud-like flowers make borders gay and blend well with other Everlastings in winter. Sow outdoors in May.

- 3A 2533 **Sinuata, Kampf's Blue.**

- 3A 2534 **Sinuata, Pastel Shades.**

- 3A 2535 **Sinuata, Rose Superba.** 2 ft.

- 3A 2536 **Sinuata, Yellow** (S. Bonduelli). 3 ft.

- 3A 2537 **Sinuata, Mixed.**

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

- 3A 2544 **Suworowi.** Cloud-like masses of rose; 2 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Perennial Types

- 3A 2542 **Caspia.** Pyramidal habit; graceful. Lavender-blue flowers. 2 1/2 ft. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

- 3A 2543 **Perezii.** Rich blue. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. 75 cts.



Stocks, Early Giant Imperial

- 3A 2742 **THALICTRUM dipterocarpum** (Meadow Rue). *Perennial.* Attractive in the garden and for cutting. Flower sprays are violet-mauve, brightened by a cluster of lemon-yellow stamens. 3 ft. June, July. Pkt. 25 cts., 1/4oz. 75 cts., oz. \$2.50.

- 3A 2744 **THERMOPSIS.** *Perennial.* Striking plant; long spikes of yellow blossoms. June, July. *Caroliniana.* 4 ft. Pkt. 25 cts., 5 pkts. \$1.

- 3A 2745 **THUNBERGIA.** *Mixed* (Black-eyed Susan). *Annual Climber.* Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. Used extensively for hanging-baskets, vases, low fences, etc. All colors. 4 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

- 3A 2747 **THYMUS Serpyllum** (Mother of, or Creeping Thyme). *Perennial.* Valuable plant for the alpine garden. Trailing habit with bright lilac-purple flowers. 4 in. Pkt. 25 cts., 3 pkts. 60 cts., 1/8oz. \$1.50.

- 3A 2748 **TITHONIA speciosa** (Mexican Sunflower). *Annual.* Early. Sow in spring outdoors, or earlier indoors for transplanting. Shrub-like plant of enormous dimensions, and the orange-colored, daisy-like flowers are 3 to 4 inches in diameter. 8 ft. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

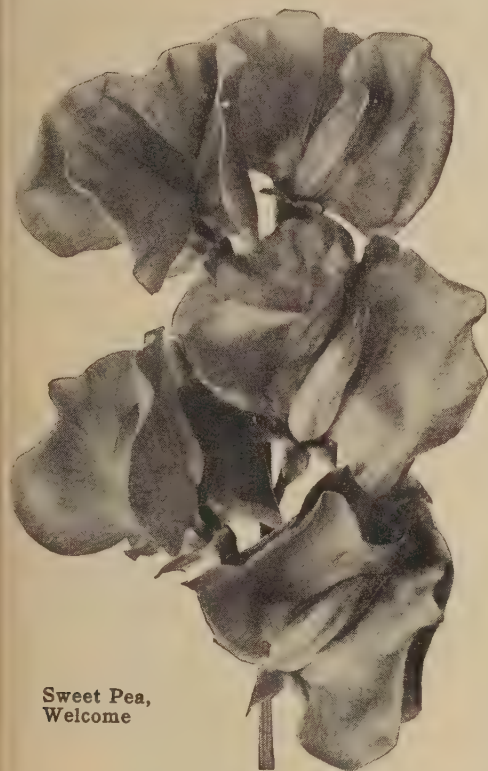
- 3A 2750 **TORENIA Fournieri.** *Greenhouse and Bedding Plant.* A fine annual; splendid for vases, hanging-baskets, borders, etc. Sky-blue flowers, bright yellow centers. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.



Torenia Fournieri

Summer-flowering Spencer Sweet Peas (OUTDOOR CULTURE)

Sow as soon as the ground can be worked. Dig a trench about a foot wide and deep, fill with soil and rotted stable manure in equal parts, or soil with one-third Humus mixed with it and some General Garden Fertilizer added. Tread firmly. Make a single groove about $\frac{3}{4}$ inch deep; sow seeds every 2 inches, and cover. When the plants are 3 to 4 inches, thin to 6 inches apart. Supports 4 feet or more high should be provided. The Sweet Pea is a moisture-loving plant, and by May the plants will require water. Dress with Mulch-o-Nure, old stable manure, Sawco-nure or peat-moss and soak well as needed.



- *3A 2593 **Affection**. Coral-pink on cream, growing strongly; long stems.
- *3A 2594 **Ambition**. One of the best large-flowered lavender sorts. Waved flowers.
- *3A 2596 **Bonnie Ruffles**. Beautiful duplexed pink; sunproof, good in artificial light.
- *3A 2597 **Capri**. Perhaps the finest light blue ever introduced. The color is clearer and the flowers are larger.
- *3A 2599 **Chinese Blue**. Standard and wings are deep blue. Stems usually bear four flowers. Strong-growing; blooms large.
- *3A 2600 **Crony**. Robust golden salmon. Cert. of Merit, Scottish Sweet Pea Society.
- 3A 2602 **Diana**. Immense rose-pink flowers on a cream ground. They are duplexed.
- *3A 2603 **Golden Dragon**. Duplex sort of great merit. The standard is bright orange while the wings shade deeper orange-rose.
- *3A 2605 **Grandeur**. Shell-pink on white. The vigorous plant blooms continuously.
- *3A 2606 **Mastercream**. Beautifully frilled, mostly duplexed, cream color. Black seed.
- *3A 2608 **Model**. Large white; long stems. Blossoms well waved. Black seed.
- 3A 2609 **Pinkie**. Strong stems bear a profusion of flowers all season. Deep rose-pink.
- *3A 2611 **Prolific**. Multiflora type. Clusters of 5, 6, or 7 flowers. Standards rose-pink, outside of wings deeper.
- 3A 2612 **Royal Purple**. The finest rich purple. Large-flowering.
- 3A 2614 **Ruffled White**. Chaste white, frilled and ruffled. Good for cut-flowers.
- 3A 2615 **The Sultan**. Almost black—deep silky maroon. Large flowers.
- *3A 2617 **Welcome**. Brilliant and dazzling scarlet self.

Above Sweet Peas, each, pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50

Early- or Winter-Flowering Sweet Peas (MOSTLY INDOOR CULTURE)

Quickest of all, these greenhouse subjects may be sown also in the garden in spring for earliest bloom outdoors. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer.

- 3A 2668 **Early Daphne**. Usually carries four flowers on a stem. In color it is a soft salmon-pink on a deep cream ground. Awarded Silver Medal, New York Flower Show.
- 3A 2696 **Princess Blue**. Vigorous, husky growth is characteristic of the vines; they carry large, bold flowers of a rich belladonna-blue.
- 3A 2697 **Red Giant**. True crimson flowers, with the luster and warmth of an orange-scarlet. The best of this class introduced to date, for there is only a minimum amount of white on the base of the keel.
- 3A 2713 **Treasure Island**. Orange blooms are semi-duplexed, $2\frac{1}{2}$ inches across, often four on each 15-inch stem.
- 3A 2719 **White Giant**. Purest white; large and waved. White seed.

OTHER GOOD SORTS

- 3A 2661 **Blue Bonnet**. Clear deep blue.
- 3A 2686 **Early Majestic Rose**. Deep rose-pink.
- 3A 2688 **Early Mars**. Oxblood-crimson.
- 3A 2670 **Evening Star**. Orange-scarlet.
- 3A 2680 **Iris Blue**. Deep blue; wings lighter.
- 3A 2685 **Lavanda**. Pure lavender.
- 3A 2702 **Shirley Temple**. Soft rose-pink.
- 3A 2706 **Tahoe**. Mid-blue.
- 3A 2709 **Top Hat**. Deep violet.
- 3A 2717 **Valencia**. Bright orange; sunproof.
- 3A 2720 **White Harmony**. Fine black-seeded white.
- 3A 2722 **Early-flowering Mixed**.

All above early sorts, each, pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.

Sweet Pea Collections

3A2970

Twelve Outstanding Varieties FOR OUTDOORS (Summer-flowering)

One packet each of the varieties of special merit, distinguished in the list at left with an asterisk (*)..... \$1.50

Ten Distinct Colors

FOR OUTDOORS (Summer-flowering)

For the gardener who desires the best Sweet Peas, but is not interested in names. Each is the most pleasing color, with long flower-stalks, suitable for house decoration. Each is robust, and under favorable conditions, produces sprays of three or four blossoms.

- | | |
|----------------------------|---------------------------|
| 3A 2622 Cream | 3A 2624 Lavender |
| 3A 2626 Purple | 3A 2620 Blue |
| 3A 2623 Cream-Pink | |
| 3A 2629 White | 3A 2625 Light Pink |
| 3A 2628 Scarlet | 3A 2621 Carmine |
| 3A 2627 Salmon-Pink | |

Each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

3A 2968

SPECIAL COLLECTION 75 cts.

One pkt. each of these 10 distinct colors

3A 2635 **Grand Prize Mixture**

Giant Outdoor-flowering Sweet Peas

A carefully balanced selection of the best varieties of Summer-flowering Sweet Peas. Recommended for general use and garden display.

Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.75.

Spring-Flowering Sweet Peas (OUTDOOR-INDOOR CULTURE) CUTHBERTSON TYPE

These flower more quickly than the Summer-flowering Sweet Peas, but take several weeks longer than the early-flowering or greenhouse types. They may be grown either outdoors or under glass with equal ease. Vigorous; they stand heat better, and are very good for outdoor sowing in the New York area; the flower-stems are long and the blooms are large, fluted and very fragrant.

- 3A 2636 **Coline**. Scarlet. Awarded Certificate of Merit, Scottish Sweet Pea Society, 1944.
- 3A 2637 **Danny**. Navy-blue.
- 3A 2639 **Evelyn**. Salmon-cream-pink. Awarded Gold Medal, Scottish Sweet Pea Society, 1945.
- 3A 2640 **Frank G.**. Rosy lavender. Awarded First-class Certificate, Scottish Sweet Pea Society, 1945.
- 3A 2642 **Hazel**. Light blue.
- 3A 2643 **Janet**. Splendid white variety; seeds black. Awarded Certificate of Merit, Scottish Sweet Pea Society, 1944.
- 3A 2645 **Kenneth**. Glowing oxblood-crimson.
- 3A 2646 **Lois**. Rose-pink on a white ground. Awarded Silver Medal, Scottish Sweet Pea Society, 1944.
- 3A 2648 **Marion**. Beautiful cream; seeds are black.
- 3A 2649 **Tommy**. Clear medium blue. Awarded First-class Certificate, Scottish Sweet Pea Society, 1944.

Above 10, each, pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50

3A 2969 **COLLECTION** (Spring-flowering): Pkt. each, above 10 colors, \$1.25

3A 2651 **Spring-Flowering Mixed**. Exciting well-balanced blend. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

SWEET WILLIAM (*Dianthus barbatus*)

Biennial. Flowers second season from seed. Sow outdoors in May; transplant in August.



Sweet William, Mixed

TALL VARIETIES (1½ ft.)

- 3A 2723 **Single White.**
3A 2724 **Single Dark Crimson.**
Each, pkt. 15 cts., ¼oz. 60 cts., oz. \$2
- 3A 2727 **Single Tall, Mixed.** Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.
3A 2728 **Double Tall, Mixed.** Pkt. 20 cts., ¼oz. 75 cts., oz. \$2.50.
3A 2730 **Newport Pink.** Watermelon-pink. 1½ ft. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.
3A 2731 **Scarlet Beauty.** Rich, deep scarlet; vivid. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.
3A 2729 **Holborn Glory.** Large auricula-eyed flowers. All show a clear white eye; superb. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

DWARF VARIETIES (9 in.)

- 3A 2735 **Single Dwarf, Mixed.**
3A 2736 **Double Dwarf, Mixed.**
Each, pkt. 15 cts., ¼oz. 60 cts., ½oz. \$1
- 3A 2737 **Annual Sweet Williams.** Sown indoors during March, these will bloom freely the first year. 9 in. Mixed colors. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.

3A 2751 **TRITOMA, Mixed Hybrids** (Flame Flower; Poker Plant; Torch Lily). *Perennial.* Spikes of dazzling flowers. Will live through winter with a covering of leaves; or the roots may be carried over in sand in a cellar. Pkt. 20 cts., ¼oz. 75 cts.

TROLLIUS (Globe Flower). *Perennial.* Big buttercups. May-Aug.
3A 2753 **Golden Queen.** Enormous flowers 4 inches across. 4 ft. Pkt. 35 cts., ½oz. \$1.25, ¼oz. \$2.
3A 2754 **Mixed.** Shades of orange, yellow and gold. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$1.25, ¼oz. \$2.

VALERIAN (Garden Heliotrope; Heal-All). *Perennial.* Pinnate foliage; panicles of scented flowers in June and July. 4 ft.
3A 2757 **Red.** Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50.

VERBENAS

Mostly creeping annuals with clusters of showy flowers. Sow in May, or earlier under glass. Thin to 1 foot.

- 3A 2763 **Annapolis Blue.** Beautiful mixture of shades of mid-blue, with no tendency to purple. Of spreading habit and the 3-inch clusters of flowers stand erect on foot-high stems. Their color varies within each cluster, but all the florets may be classed as mid-blue.
3A 2764 **Beauty of Oxford Hybrids, Mixed.** Rose-pink to rose-red: the brightest rose-colored Verbena. Enormous flowers.
3A 2765 **Crimson Glow.** Fine crimson, pure, self-colored and without a white eye.
*3A 2766 **Etna.** Vivid scarlet, small yellow eye.
3A 2767 **Flamingo.** Erect. Vermilion-pink 1½ ft.
*3A 2768 **Lavender Glory.** Lavender with cream-white centers. Large blooms. (Not entirely fixed; still a few light colors.)
*3A 2769 **Royale.** Royal blue, primrose eye.
*3A 2770 **Salmon-Pink.**
3A 2771 **Spectrum Red.** Dazzling.
3A 2772 **White King.** Pure white.
Above, each, pkt. 25 cts., ½oz. \$1, ¼oz. \$1.50
3A 2971 **COLLECTION: 5 pkts.,**
one each marked *, \$1.
3A 2773 **Giant-flowering, Mixed.** Pkt. 15 cts., ½oz. 75 cts., ¼oz. \$1.25.

Bush Verbenas

A new type. Will make a uniform border of 10-inch flat-topped plants more than a foot across, with the mammoth flower-heads practically touching.

- 3A 2774 **Salmon Queen.** Bright salmon-pink.
3A 2775 **Starlight.** Intense blue; cream-white eye.
Each, pkt. 25 cts., ½oz. \$1, ¼oz. \$1.75

Miniature Types

These tiny plants grow only 6 to 9 inches high, but they bloom continuously. Recommended for bedding, or for the front of the annual border. Excellent pot-plants.

- 3A 2777 **Fireball.** Bright flame-scarlet. Pkt. 20 cts., ½oz. 60 cts., ¼oz. \$1.
3A 2776 **Mixed.** Pkt. 15 cts., ½oz. 40 cts., ¼oz. 75 cts.

Perennial Verbena

- 3A 2779 **Venosa** (Hardy Garden Verbena). Purple flowers all summer. 1 ft. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.



Verbena, Annapolis Blue

VIOLAS • Tufted Pansies

Perennial. Violas bloom for so long that they are often preferred to pansies.

Viola cornuta Hybrids

- 3A 2789 **Blue Gem** (Jersey Gem). Deep violet-blue, with slight variation. Comes about 70 per cent true. 4 in. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$2, ¼oz. \$3.50, ¼oz. \$6.
3A 2790 **Lutea splendens.** Glowing yellow.
3A 2791 **White Perfection.** Splendid white
Above 2, each, pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$1.50, ¼oz. \$2.50

Large-flowering Hybrid Violas

- 3A 2793 **Arkright Ruby.** Terra-cotta on crimson. Fragrant. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$2, ¼oz. \$3.50, ¼oz. \$6.
3A 2794 **Blue Butterfly.** The color is a mid-blue shading to white. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$1.25, ¼oz. \$2, ¼oz. \$3.50.



Viola,
Blue Perfection

- 3A 2795 **Blue Perfection.** Plant almost hidden by medium clear blue flowers. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$1.25, ¼oz. \$2.
3A 2796 **Chantryland.** Apricot; the best in this color to date. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$2, ¼oz. \$3.50, ¼oz. \$6.
3A 2797 **Papilio.** Fine blue and white. Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$1.50, ¼oz. \$2.50.
3A 2801 **Finest Mixed.** Pkt. 25 cts., 3 pkts. 60 cts., ½oz. \$1.25, ¼oz. \$2, ¼oz. \$3.50.

Sweet Violets • Viola odorata

- 3A 2802 **The Czar.** Deep violet, large and fragrant. Pkt. 35 cts., 3 pkts. \$1, ½oz. \$1.50.

WALLFLOWER. Half-hardy annuals and perennials for early spring bedding. Delightfully fragrant. Sow perennials in autumn and carry over in a coldframe. Sow annuals indoors in March.

- 3A 2808 **Annual, Double Mixed.** Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.
3A 2809 **Annual, Single Mixed.** Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.
3A 2811 **Perennial, Double Mixed.** Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1.
3A 2812 **Perennial, Single Mixed.** Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

PERFECT GARDEN LABELS

are excellent for marking your plants. Five inches long, the 2 x 1-inch face takes pencil readily. See Implement Section.

The Gorgeous Zinnia • Youth and Old Age (ANNUAL)

Seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants flower early in the summer and keep on blooming until hard frost.

Giant Double Dahlia-flowered

Mammoth flowers average 6 inches across by 3 or 4 inches in depth, similar in shape to the decorative dahlia. 3 ft.

- *3A 2814 **Canary Bird.** Clear yellow.
- *3A 2815 **Crimson Monarch.** Crimson.
- *3A 2817 **Dream.** Deep lavender-blue.
- *3A 2818 **Eldorado.** Salmon-apricot.
- *3A 2820 **Exquisite.** Light rose.
- *3A 2821 **Golden Dawn.** Clear golden yellow.

- *3A 2823 **Oriole.** Orange and gold.
- *3A 2824 **Polar Bear.** Large; pure white.
- *3A 2826 **Royal Purple.** Rich, regal purple.
- *3A 2827 **Scarlet Flame.** Bright scarlet.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

- *3A 2829 **Mixed.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

- *3A 2972 **COLLECTION:** Pkt. each, 6 marked *, 60 cts., 1/4oz. each, \$3.25

Various Zinnias

- *3A 2830 **Linearis.** Growing 10 inches high and spreading 2 feet, within six weeks of sowing it is covered with medium-sized, single, daisy-like golden orange flowers. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

- *3A 2831 **Mexican, Mixed (Z. Haageana).** Spreading plants with flowers suggestive of French Marigolds; some double, some single; many semi-double. Shades of yellow, red, or brown, spotted and striped. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Scabious-flowered Zinnias

- *3A 2832 **Howard Created.** A mixture. Beehive-like flowers are 4 to 5 inches across, with a rounded cushion-like center, surrounded by broad, flat guard florets. A blend of charming fresh colors. 3 ft. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Super Crown o'Gold Zinnias

- *3A 2833 **Pastel Tints.** Base of each floret comprising the flower is gold, but the other halves vary in color; in one flower it is pink or in another salmon or apricot, buff, peach, white or cream. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.



Lilliput Zinnia, Pastel Shades

Mammoth California Giants

Plants grow 3 feet, and the double flat blooms often average 6 inches in diameter.

- *3A 2837 **Brightness.** Bright pink.
- *3A 2838 **Cherry Queen.** Cherry-rose.
- *3A 2839 **Enchantress.** Light rose, deeper center.

- *3A 2841 **Golden Queen.** Lemon-orange.
- *3A 2842 **Miss Willmott.** Soft pink.
- *3A 2843 **Orange Queen.** Golden orange.

- *3A 2845 **Orange King.** Burnt-orange.
- *3A 2846 **Purity.** Pure white.
- *3A 2847 **Rose Queen.** Bright rose.

- *3A 2849 **Salmon Queen.** Salmon-apricot.
- *3A 2850 **Scarlet Gem.** Scarlet.
- *3A 2851 **Violet Queen.** Shade of violet.

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

- *3A 2854 **Mixed.** Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

*3A 2973 **COLLECTION:** Pkt. each,

6 marked *, 60 cts.

Dwarf Double-flowering

For borders or cutting. 1 1/2 ft.

- *3A 2855 **Canary-Yellow.**

- *3A 2857 **Golden Orange.**

- *3A 2856 **Crimson.** *3A 2858 **Salmon-Rose.**

- *3A 2860 **Spun Gold.** Butter-yellow.

- *3A 2859 **Scarlet.**

- *3A 2861 **White.**

- *3A 2862 **Pinkie.** Rose-pink.

- *3A 2864 **Mixed.**

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Fantasy Zinnias

The lovely 3-inch blooms are shaggy, waved and frilled. 33-inch plants.

- *3A 2868 **Wildfire.** Intense scarlet.

- *3A 2869 **White Light.** Nearly pure white.

- *3A 2865 **Orange Lady.** Bright orange.

- *3A 2866 **Rosalie.** Bright, intense rose.

- *3A 2867 **Stardust.** Deep gold.

- Above 5, each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2

- *3A 2974 **COLLECTION:** Pkt. each

above 5 colors, 75 cts.

- *3A 2874 **Fantasy, Mixed Colors.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

MIDGET ZINNIAS. A dwarf type, excellent for cut-flower purposes.

- *3A 2875 **Canary Gem**

- *3A 2876 **Crimson Gem**

- *3A 2877 **Golden Gem**

- *3A 2879 **Pink Gem**

- *3A 2880 **Salmon Gem**

- *3A 2881 **Scarlet Gem**

- *3A 2883 **White Gem**

- *3A 2886 **Mixed Gems**

Each, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

- *3A 2975 **COLLECTION:** Pkt. each,

6 marked *, 60 cts.

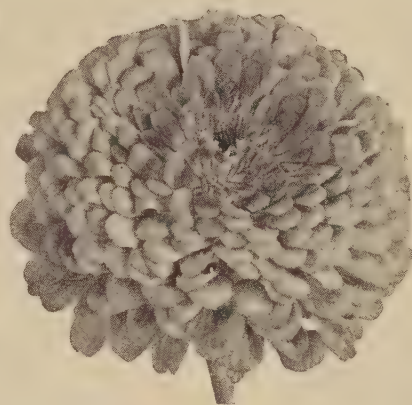
CUPID ZINNIAS. Compact plants, less than 1 foot high; covered with small, button-like flowers. Excellent for edging.

- *3A 2887 **Mixed Colors.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Lilliput Zinnias (Pompon)

- *3A 2888 **Black Ruby.** Has 1 1/4-inch blooms, on long stems; their color is a deep, velvety maroon. Very striking. 15 to 18 in. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

- *3A 2889 **Pastel Shades.** Beautiful little ball-shaped blooms. Apricot, peach, cream, shell-pink, salmon, rose, and orchid. 1 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.



Zinnia, California Giant

- *3A 2761 **VERBASCUM phoeniceum Hybrids, Mixed (Mullein).** Perennial. Various shades from white through yellow to deep orange. 3 ft. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

- *3A 2781 **VERONICA spicata, Blue (Speedwell).** Perennial. Useful border plant with spikes of bright blue flowers from July to September. 2 ft. Pkt. 25 cts., 1/4oz. 60 cts., 1/4oz. \$1.

VINCA (Madagascar Periwinkle; Old Maid). Annual. Begins blooming in August from seed sown outdoors in May. Flowers in July if sown indoors during March. 1 ft.

- *3A 2783 **Alba.** Pure white.

- *3A 2784 **Rosea.** Rose.

- *3A 2785 **Rosea alba.** White with rosy eye.

Each, pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. \$1, oz. \$3.50

- *3A 2788 **Mixed.** Pkt. 15 cts., 3 pkts. 40 cts., 1/4oz. 75 cts., oz. \$2.50.

VIRGINIAN STOCKS. Annual. Gay in the period between spring and summer flowers. Fresh, bright colors.

- *3A 2803 **Mixed.** Pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts.

VISCARIA, TOM THUMB. Annual. The plants are compact and bushy and they bloom so freely as to be entirely covered. Flowers resemble single wild roses in miniature. 1 ft.

- *3A 2804 **Blue Bouquet.** Flowers are brilliant cornflower-blue.

- *3A 2805 **Rose Queen.** Pink.

Above 2, each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50



Stock, Virginian

Collections of Flower Seeds

These Collections are time-saving, money-saving, and dependable. The packets which comprise them are from our regular stock and of full size. The seeds they contain are of high quality. They make ideal gifts.

3A 2976 **COLLECTION A** \$1.00 12 Packets, Most Popular Annuals

Alyssum, Little Gem	Mignonette, Allen's Defiance
Aster, Midseason, Gt. Azure-Blue	Nasturtium, Large-flowered, Dwarf
Candytuft, Hyacinth-flowered, White	Phlox, Tall Mixed
Cornflower, Blue Boy	Salpiglossis, Tall Mixed
Hunneemannia (Yellow Tulip Poppy)	Shirley Poppy, Single, Mixed
Larkspur, Blue Spire	Zinnia, Dahlia-flowered, Mixed

3A 2977 **COLLECTION B** \$1.25 12 Packets, Annuals for Rock-Gardens

Ageratum, Blue Perfection	Ice Plant
Alyssum, White Carpet	Linum grandiflorum rubrum
Brachycome, Mixed	Lobelia, Crystal Palace
Candytuft, Crimson	Portulaca, Single, Mixed
Dianthus chinensis	Stock, Virginian, Mixed
Dimorphothea aurantiaca	Tagetes, Little Giant

3A 2978 **COLLECTION C** \$1.25 12 Packets, Annuals for Shady Gardens

Alyssum, Little Gem	Cynoglossum, Firmament
Antirrhinum majus, Mixed	Eschscholtzia, Mixed
Aster, Queen of the Market	Godetia, Azalea-fld., Carminea
Balsam, Double, Mixed	Lupinus, Annual, Mixed
Clarkia, Salmon Queen	Nicotiana, Crimson Bedder
Cornflower, Jubilee Gem	Petunia, Bedding, Mixed

3A 2979 **COLLECTION E** \$1.25 12 Packets, Annuals for Cut-Bloom

Antirrhinum majus, Mixed	Helichrysum, Double, Mixed
Arctotis grandis	Marigold, African, Mixed
Aster, Wilt-resistant, Late Br., Mixed	Scabiosa, Tall, Mixed
Calendula, Orange King	Stocks, Giant Imperial, Mixed
Cosmos, Early Express, Mixed	Sweet Peas, Spencer, Mixed
Gypsophila elegans alba	Zinnia, Dahlia-flowered, Mixed

3A 2980 **COLLECTION G** \$1.75 12 Packets, Most Popular Perennials

Alyssum saxatile	Dianthus, Double Plumarius, Mixed
Aquilegia, Long-spurred, Mixed	Digitalis, Giant Shirley, Mixed
Arabis alpina	Forget-me-not, Royal Blue
Chrysanthemum, Alaska (Shasta Daisy)	Gaillardia, Giant Hybrids
Coreopsis grandiflora, Sunburst	Poppy, Oriental, Scarlet
Delphinium, Gold Medal Hybrids	Pyrethrum Hybrids, Single



3A 2981 **COLLECTION H** \$1.75 12 Packets, Perennials for Rock-Gardens

Alyssum saxatile	Dianthus Allwoodi, Mixed
Arabis alpina	Geum, Lady Stratheden
Armeria, Large-flowering Hybrids	Linum perenne, Blue
Campanula carpatica	Polyanthus, Giant, Mixed
Candytuft (Iberis gibraltarica)	Poppy, Iceland, Single, Mixed
Cheiranthus Allioni	Saponaria ocymoides

3A 2982 **COLLECTION K** \$2.00 12 Packets, Perennials for Cut-Bloom

Aquilegia, Long-spurred, Mixed	Delphinium, Gold Medal Hybrids
Aster alpinus, Mixed	Gaillardia, Giant Hybrids
Campanula persicifolia, Blue	Gypsophila paniculata
Centaurea montana, Blue	Myosotis, Blue Bird
Chrysanthemum, Alaska	Pyrethrum, Single Hybrids
Coreopsis grandiflora, Sunburst	Scabiosa caucasica



Wallflower. See page 52.

FLOWER SEED MIXTURES

3A 2895 **GRANDMA'S GARDEN** of old-fashioned flowers. Over 50 of the most striking annuals. Pkt. 25 cts., 1/2 oz. 60 cts., oz. \$1.

3A 2896 **WILD-FLOWER MIXTURE.** Seeds of native plants. No garden hybrids. Pkt. 15 cts., oz. 60 cts., 1/4 lb. \$2, lb. \$7.50.

3A 2897 **MIXED SEEDSMAN'S FLOWERS.** All varieties in our establishment are in this; mostly cultivated types. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

3A 2898 **ROCK-GARDEN MIXTURE.** Dwarf flowers, annual and perennial, for the rock-garden. Mix seed with fine soil, 1 ounce to a paiful, and broadcast freely. Pkt. 25 cts., 1/2 oz. 60 cts., oz. \$1, 1/4 lb. \$3.50, lb. \$10.



Gather flowers daily for a continuous supply

EVERLASTINGS

Flowers to be gathered in bud, hung for two months in paper-wrapped bunches to dry and make colorful winter decorations, include Statice sinuata. Others are Acroclinium, Celosia plumosa, Catananche, Echinops, Edelweiss, Globe Amaranth, Helichrysum, Honesty, Lavender, Physalis and Ornamental Grasses.

The Welcome Gift

Of our thousands of merchandise items, many make ideal PRESENTS for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—a collection of seeds; new dahlias, perhaps; roses, perennials, Epicure foods or some garden gadget.

A good idea is to purchase, for the amount you desire to spend, a Gift Check, good any time for any thing your friend selects. Give us the address and the amount; we do the rest. If time is short, wire or phone us.

ORNAMENTAL GRASSES

Grown for their beautiful flower panicles, which are dried for bouquets. Sow outside in May, transplant or thin out when large enough to handle. Flower-heads cut before they are ripe, will keep for a long period.

3A 2902 Annual Mixed Tall.
3A 2903 Annual Mixed Dwarf.

Each, pkt. 15 cts., 2 pkts. 25 cts.

Flaming ZINNIAS

Seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants flower early in the summer and keep on blooming until hard frost.

Quaint Fantasy Varieties

The lovely 3-inch blooms are shaggy, waved and frilled. 33-inch plants.

- | | |
|--|--|
| 3A 2868. Wildfire. Intense scarlet. | 3A 2866. Rosalie. Bright, intense rose. |
| 3A 2869. White Light. Nearly pure white. | 3A 2867. Stardust. The waved and frilled flowers are a rich, deep gold. |
| 3A 2865. Orange Lady. A gay shade of bright orange. | |

Above, 5, each, pkt. 20 cts., 1/4oz. 60 cts., oz. \$2

3A 2974. **COLLECTION:** Pkt. each above 5 colors, 75 cts.

3A 2874. **Fantasy, Mixed Colors.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Double Dahlia-flowered Kinds

Mammoth flowers average 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia. 3 ft.

- | | |
|---|--|
| 3A 2814. Canary Bird. Very large flowers of clear yellow. | 3A 2823. Oriole. A striking two-color flower—orange and gold. |
| 3A 2827. Scarlet Flame. Bright scarlet, blended with orange. | 3A 2817. Dream. Deep lavender-blue—a remarkable shade. |
| 3A 2820. Exquisite. Light rose, with deep rose center. | 3A 2815. Crimson Monarch. Immense flowers of flaming crimson. |

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

3A 2972. **COLLECTION:** Pkt. each above 6 colors, 60 cts.

3A 2829. **Double Dahlia-flowered, Mixed.** Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

The Zinnia is probably the most popular annual grown in the United States. It thrives in our hot summers.

Other Zinnia types are offered on page 53.

6 of the Finest ROSES

5A 3586 COLLECTION

Everblooming Bush Roses.
One each of 6 varieties,
dormant plants

\$7.50

WE GUARANTEE our
Roses to reach you in good
condition and to live; we
will replace without charge
any that may not be alive
two months after you pur-
chase them.

5A 3568. ****MRS. P. S. DU PONT.**
Dormant plants, \$1.40 each,
\$3.85 for 3, \$14 per doz.

5A 3576.
***PRES. HERBERT
HOOVER.** Dormant
plants, \$1.40 each,
\$3.85 for 3, \$14 per
doz.

Roses on this page are dormant and
are available from March 1 to May 10.

After May 10 we supply them growing
in pots and ready to put
out into your garden in
full leaf. For these pot-
grown plants ADD 50 cts.
each, \$3 for the collec-
tion of 6.

5A 3572.
****PINK DAWN.**
Dormant plants,
\$1.40 each, \$3.85
for 3, \$14 per doz.

5A 3550. ****HEART'S DESIRE.** Pat.
501. Dormant plants, \$1.50 each,
\$4.15 for 3, \$15 per doz.

5A 3556.
***KAISERIN AUGUSTE
VIKTORIA.** Dormant
plants, \$1.40 each,
\$3.85 for 3,
\$14 per doz.

Sorts marked *
have a pronounced
perfume, and those
marked ** even
more so.

5A 3582. ***TALISMAN.** Dor-
mant plants, \$1.40 each,
\$3.85 for 3, \$14 per doz.

6 More Everblooming Roses

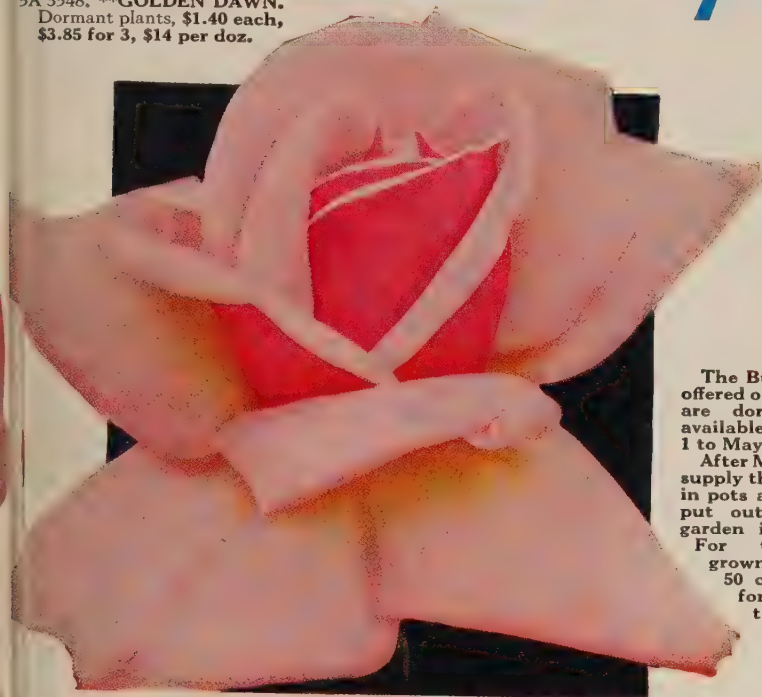
5A 3585 Collection:
Six plants, one
each of the beauties
on this page,

\$7.50

5A 3548. ****GOLDEN DAWN.**
Dormant plants, \$1.40 each,
\$3.85 for 3, \$14 per doz.



5A 3544. ****ETOILE DE HOLLANDE.** Dormant plants,
\$1.40 each, \$3.85 for 3,
\$14 per doz.



5A 3540. **EDITH NELLIE PERKINS.** Dormant plants,
\$1.40 each, \$3.85 for
3, \$14 per doz.

The Bush Roses
offered on this page
are dormant and
available from March
1 to May 10.

After May 10 we can
supply them growing
in pots and ready to
put out into your
garden in full leaf.

For these pot-
grown plants add
50 cts. each, \$3
for the Collec-
tion.



5A 3552. ***JOANNA HILL.** Dormant plants, \$1.40 each,
\$3.85 for 3, \$14 per doz.



5A 3536.
***DOUGLAS
MacARTHUR**
Dormant plants
\$1.50 each,
\$4.15 for 3,
\$15 per doz.



5A 3532. ***CONDESA DE SASTAGO.** Dormant plants,
\$1.40 each, \$3.85 for 3, \$14 per doz.

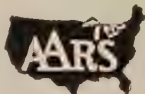
Roses on this page are dormant and are available from March 1 to May 10.

After May 10 we can supply them growing in pots and ready to put out into your garden in full leaf. For these Pot-grown plants ADD 50 cts. each, \$1.50 for the collection of 3, \$4.50 for the collection of 9.



5A 3520. *TALLYHO. Pat. applied for. Dormant plants, \$2.50 each, \$6.75 for 3, \$25 per doz. In pots after May 10, \$3 each.

Sorts marked * have a pronounced perfume, and those marked * even more so.



WE GUARANTEE our Roses to reach you in good condition and to live; we will replace without charge any that may not be alive two months after you purchase them.



5A 3510. FORTY-NINER. Pat. 792. Dormant plants, \$2.50 each, \$6.75 for 3, \$25 per doz. In pots after May 10, \$3 each.



EVERBLOOMING ROSES

for the *ever-precious* beauty and fragrance that only they can impart

COLLECTIONS

Dormant Plants

5A 3587 **THREE ROSES**, one each of the kinds on this page

\$6.50

5A 3588 **NINE ROSES**, three each

\$17.50

5A 3570. *PEACE. Pat. 591. Dormant plants, \$2 each, \$5.50 for 3, \$20 per doz. In pots after May 10, \$2.50 each.

S. & W. CO.'S GUARANTEED EVERBLOOMING ROSES (Hybrid-Tea-scented)

OUTSTANDING VARIETIES

At prices which justify extensive planting. Specially selected for quantity and quality of bloom and resistance to disease. All are guaranteed.

Re-selected from No. 1 grade plants, these are the best obtainable. These healthier plants will show superior quality in your garden.

- Anzac.** Patent 636. The flowers are coral-rose with a golden yellow sheen at the base of the petals. 50 petals. 5A 3524 Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz. 5A 3525 In pots after May 10, \$1.75.
- *Apricot Queen.** Patent 464. Strong-growing, with shiny, leathery foliage. The long-pointed bud opens to a flower with petals of orange and apricot at the base, merging to salmon-rose and phlox-pink. 45 petals. 5A 3526 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- **California.** Pat. 449. Vigorous plants. Long, pointed bud opens to an enormous flower, 5 to 6 inches across. Ruddy orange, toned saffron-yellow, overlaid rose. Rich fruit fragrance. 30 petals. 5A 3528 Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz. 5A 3529 In pots after May 10, \$1.75.
- **California Centennial.** Propagation rights reserved. On very long stems are large, scented blooms of rich velvety crimson. They are carried, crop after crop, through a long season; almost devoid of thorns. 5A 3502 Dormant plants, \$2 each, \$5.50 for 3, \$20 per doz. 5A 3503 In pots after May 10, \$2.50.
- *Charlotte Armstrong.** Patent 455. A large splendidly formed flower of spectrum-rum on a strong, branching plant. Fragrant. 35 petals. 5A 3506 Dormant plants only, \$1.50 each, \$4.15 for 3, \$15 per doz.
- **Christopher Stone.** A large, loose flower of rich crimson-scarlet. Delicious Damask fragrance. Splendid, healthy plant. 30 petals. 5A 3530 Dormant plants only, \$1.10 each, \$3 for 3, \$11 per doz.
- *Condesa de Sagasto.** Two-tone flowers—red on inside of petals and yellow on the reverse. Foliage heavy, glossy and dark green. 50 petals. 5A 3532 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3533 In pots after May 10, \$1.90.
- **Crimson Diamond.** Long, handsome buds open to perfect flowers with 35 to 40 petals. The color is a stunning velvety crimson-scarlet. 5A 3534 Dormant plants only, \$1.50 each, \$4.15 for 3, \$15 per doz.
- **Crimson Glory.** Patent 105. Splendidly formed velvety crimson flowers with scarlet tones in summer and blackish shades in fall. 30 petals. 5A 3508 Dormant plants only, \$1.50 each, \$4.15 for 3, \$15 per doz.
- *Douglas MacArthur.** Patent 581. A leader among Roses, vigorous and free-blooming. Foliage is dark green, and rose, gold and salmon are blended into the flower. 24 petals. 5A 3536 Dormant plants, \$1.50 each, \$4.15 for 3, \$15 per doz. 5A 3537 In pots after May 10, \$2.
- **Dr. Bronscomb.** Deep rose-pink, large and very double. 5A 3538 Dormant plants \$1.25 each, \$3.50 for 3, \$12.50 per doz. 5A 3539 In pots after May 10, \$1.75.
- Edith Nellie Perkins.** Long-pointed copper buds open to high-centered flowers of soft salmon-pink inside, with a coppery rose reverse; mild scent. Strong, healthy plants. 40 petals. 5A 3540 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3541 In pots after May 10, \$1.90.
- **Editor McFarland.** Glowing pink, suffused yellow. Large, semi-double blooms. 30 petals. 5A 3542 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- **Etoile de Hollande.** Long-pointed buds open to broad-petaled crimson blooms. Intensely fragrant; plants very strong. 35 petals. 5A 3544 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3545 In pots after May 10, \$1.90.
- Forty-Niner.** Patent 792. Beautiful contrasting bicolor flowers, chrome-yellow on the outside and orient-red within. The long, pointed buds, mostly yellow at first, disclose the bicolor feature as they open. Vigorous bush. 5A 3510 Dormant plants, \$2.50 each, \$6.75 for 3, \$25 per doz. 5A 3511 In pots after May 10, \$3.
- *Glowing Carmine.** Strong grower with well-shaped buds of glowing carmine. 5A 3546 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- **Golden Dawn.** Spreading plant with profuse, disease-resistant foliage. Fat buds open to large, double blooms of lemon or straw-yellow, with rich tea fragrance. 45 petals. 5A 3548 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3549 In pots after May 10, \$1.90.
- Golden Diamond.** Patent applied for. Splendid new variety; beautiful shining yellow-gold. Markedly resistant to disease. 45 petals. 5A 3512 Dormant plants only, \$1.50 each, \$4.15 for 3, \$15 per doz.
- *Grande Duchesse Charlotte.** Patent 774. The long, pointed, chestnut-colored bud opens into a very large, full Rose of tomato-red. The stems are long and strong; the plant is vigorous, with large, shining leaves. 5A 3514 Dormant plants, only \$1.50 each, \$4.15 for 3, \$15 per doz.
- **Heart's Desire.** Patent 501. Long, bright red. 25 petals. 5A 3550 Dormant plants, \$1.50 each, \$4.15 for 3, \$15 per doz. 5A 3551 In pots after May 10, \$2.
- *Joanna Hill.** Moderately fragrant. Orange in center, cream at edges. 40 petals. 5A 3552 Dormant plant, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3553 In pots after May 10, \$1.90.
- *Kaiserin Auguste Viktoria.** High-centered, fragrant blooms of snow-white. 100 petals. 5A 3556 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3557 In pots after May 10, \$1.90.
- Margaret McGredy.** Large flowers of orange-scarlet, with a fiery sheen. 40 petals 5A 3558 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- McGredy's Scarlet.** Red buds and nicely formed flowers of plain red. Faint tea scent. Strong-growing; healthy foliage; blooms continuously from spring to frost. 35 petals. 5A 3560 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- **Mirandy.** Patent 632. Warm maroon-red. Large blooms are borne freely on vigorous, 3-foot plants. Penetrating Damask perfume. 40 to 50 petals. 5A 3516 Dormant plants, \$1.50 each, \$4.15 for 3, \$15 per doz. 5A 3517 In pots after May 10, \$2.
- *Mme. Chiang Kai-shek.** Patent 664. The honor Rose, because it won the All-America competitive Rose trials held in 1943. Named for the first lady of China, and the loveliest of all yellow Roses. 24 to 30 petals. 5A 3562 Dormant plants, \$1.50 each, \$4.15 for 3, \$15 per doz. 5A 3563 In pots after May 10, \$2.
- *Mme. Jules Bouche.** A splendid white. Long-pointed, shapely buds. 34 petals. 5A 3564 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- Mrs. E. P. Thom.** Nice, yellow buds opening to unfading yellow flowers. Mild scent. Keep sprayed or dusted. 40 petals. 5A 3566 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz. 5A 3567 In pots after May 10, \$1.75.
- **Mrs. Pierre S. du Pont.** Deep golden yellow. Highly attractive; rich fragrance. 40 petals. 5A 3568 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3569 In pots after May 10, \$1.90.
- *Peace.** Patent 591. The ovoid buds are handsome golden yellow and pink, and they open to enormous flowers, often 5 inches across; cream-gold, with petals edged pink. 40 to 45 petals. 5A 3570 Dormant plants, \$2 each, \$5.50 for 3, \$20 per doz. 5A 3571 In pots after May 10, \$2.50.
- Pearl Harbor.** Patent 637. The Memory Rose. Buds are Tyrian-pink; flower is shell-pink shaded gold-bronze. Practically no thorns. 5A 3518 Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.
- **Pink Dawn.** Many fully double, fragrant blooms of glistening pink. 60 petals. 5A 3572 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3573 In pots after May 10, \$1.90.
- **Pink Diamond.** Patent 516. Slender pink buds open to a dainty shell-pink. 35 to 40 petals. 5A 3574 Dormant plants, \$1.50 each, \$4.15 for 3, \$15 per doz. 5A 3575 In pots after May 10, \$2.
- *President Herbert Hoover.** Mixture of scarlet, yellow, cerise and flame. 25 petals. 5A 3576 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3577 In pots after May 10, \$1.90.
- **Radiance.** Rich old-time Rose fragrance. The world's favorite pink. 23 petals. 5A 3578 Dormant plants only, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3579 In pots after May 10, \$1.60.
- **Red Radiance.** Richly fragrant. Large cerise-red blooms. Deservedly popular. 23 petals. 5A 3580 Dormant plants only, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3581 In pots after May 10, \$1.60.
- *Sleigh Bells.** Patent applied for. The most beautiful white Rose; large, sweetly fragrant. Leathery, glossy leaves, highly resistant to disease. 5A 3504 Dormant plants, \$2 each, \$5.50 for 3, \$20 per doz. 5A 3505 In pots after May 10, \$2.50.
- *Talisman.** Mixture of red, orange, pink and bright yellow. Vigorous growth; husky foliage. 25 petals. 5A 3582 Dormant plants, \$1.40 each, \$3.85 for 3, \$14 per doz. 5A 3583 In pots after May 10, \$1.90.
- *Tallyho.** Patent applied for. A soft, pleasing, blended bicolor. The primary hue is crimson-cardinal, with pink on the inner side of the petals. 5A 3520 Dormant plants, \$2.50 each, \$6.75 for 3, \$25 per doz. 5A 3521 In pots after May 10, \$3.
- Texas Centennial.** Patent 162. Color is blood-red with some gold, turning to cerise-red in center. A prize-winner. 5A 3522 Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz. 5A 3523 In pots after May 10, \$1.75.



BROWNELL SUB-ZERO ROSES

Raised at Little Compton, Rhode Island, under very severe climatic conditions. They withstand the coldest U. S. winters.

Everblooming Hybrid Teas

5A 3601 Curly Pink. Unmatched for size and beauty of the bloom-clusters. Individually the Roses are large, but many are two-toned, showing several hues of pink in a single-stem bouquet. Vigorous plant; exceptionally hardy.

***5A 3602 Red Duchess.** Charming, brilliant rose-red blooms, alluringly fragrant. Robust plant; exceptionally hardy.

***5A 3603 V for Victory.** Beautiful, very double, deep yellow, fragrant, long-lasting Roses. Sturdy plant; exceptionally hardy.

Above 3, dormant plants only, \$1.75 each, \$5 for 3, \$18 per doz.



Tree Rose

A Remontant Rose

An outstanding Hybrid Perpetual (H.P.) variety. Blooms in June; often with an occasional Rose in autumn. Height about 3 feet.

5A 3633 Frau Karl Druschki. Very large, snow-white flowers. Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

Tree Roses

On strong, straight 3½-foot stems

Plant them in your hardy border or Rose-garden, where they will stand head and shoulders above their companions. Over winter they may be dug up and buried in a trench, or heeled in under a shed. In mild latitudes fix straw among the branches, without digging.

5A 3643 Peace. Patent 591. Enormous pale gold Roses, their petals edged pink. A glorious tribute to men of good will. Dormant plants only, \$6.

Five other colors available:

5A 3645 Red **5A 3646 White**
5A 3648 Yellow **5A 3647 Pink**
5A 3649 Two-tone. Red and gold.

Any of the above five, dormant plants only, \$5 each, 3 for \$13.75, 6 for \$25.

Three Miniature or Thimble Roses

Something different for the rose-lover. Plant these hardy subjects in a rock-garden, bed, rose-border, or in a special children's garden. You can make the tiny flowers into miniature bouquets for the invalid's tray; construct earrings or finger-rings with them; decorate the hair with them, or use them with place-cards or in finger-bowls.

5A 3596 Pixie. A lovely soft pink, fading to white. The buds and open blossoms are no larger than a dime. Height 4 to 6 inches.

5A 3594 Rouletti (The Fairy Rose). The plant grows 9 inches high at most, and the pink, semi-double flowers are just as dainty.

5A 3595 Tom Thumb. Patent 169. Deep carmine. Tiny buds open to blooms the size of a dime and show small white centers. Height 4 to 6 inches.

Above, in 3-inch pots, available April 15, 75 cts. each, \$2 for 3, \$7.50 per doz.

5A 3593 COLLECTION: 1 each, above 3 varieties, \$2.

TO HELP YOU CHOOSE

Everyone enjoys the *scent* of Roses, and all our everblooming varieties are fragrant; sorts marked * have a pronounced perfume, and those marked ** even more so.

The *number of petals* indicates the *double-ness* of a Rose; one with 17 is a semi-double bloom; one with 100 petal is heavy and tight.

Roses Growing in Pots

Ready May 10

Bush Roses (Everblooming Hybrid Teas)

rose.....	Each	3	Doz.
5A 3525 Anzac. Coral-	\$1 75	\$4 75	\$17 50
5A 3529 California.			
Ruddy orange.....	1 75	4 75	17 50
5A 3503 California			
Centennial. Crimson	2 50	6 75	25 00
5A 3533 Condesa de			
Sastago. Red — yel-			
low.....	1 90	5 25	19 00
5A 3537 Douglas Mac-			
Arthur. Golden sal-			
mon.....	2 00	5 50	20 00
5A 3539 Dr. Brons-			
comb. Rose-pink..	1 75	4 75	17 50
5A 3541 Edith Nellie			
Perkins. Salmon-pink	1 90	5 25	19 00
5A 3545 Etoile de Hol-			
lande. Crimson....	1 90	5 25	19 00
5A 3511 Forty - Niner.			
Red and yellow.....	3 00	8 25	30 00
5A 3549 Golden Dawn.			
Yellow.....	1 90	5 25	19 00
5A 3551 Heart's De-			
sire. Red.....	2 00	5 50	20 00
5A 3553 Joanna Hill.			
Orange.....	1 90	5 25	19 00
5A 3557 Kaiserin Au-			
guste. White.....	1 90	5 25	19 00
5A 3517 Mirandy. Ma-			
roon-red.....	2 00	5 50	20 00
5A 3563 Mme. Chiang			
Kai-Shek. Yellow...	2 00	5 50	20 00
5A 3567 Mrs. E. P.			
Thom. Yellow.....	1 75	4 75	17 50
5A 3569 Mrs. Pierre			
S. du Pont. Yellow..	1 90	5 25	19 00
5A 3571 Peace. Yellow-			
pink.....	2 50	6 75	25 00
5A 3573 Pink Dawn.	1 90	5 25	19 00
5A 3575 Pink Diamond.	2 00	5 50	20 00
5A 3577 President			
Hoover. Red—yellow	1 90	5 25	19 00
5A 3579 Radiance. Pink.	1 60	4 50	16 00
5A 3581 Red Radiance	1 60	4 50	16 00
5A 3505 Sleigh Bells.			
White.....	2 50	6 75	25 00
5A 3583 Talisman.			
Red, pink, yellow....	1 90	5 25	19 00
5A 3521 Tallyho. Crim-			
son.....	3 00	8 25	30 00
5A 3523 Texas Centen-			
nial. Red and gold..	1 75	4 75	17 50

CLIMBERS

5A 3607 Cl. American			
Beauty. Pink.....	1 60	4 50	16 00
5A 3608 Emily Gray.			
Yellow.....	1 60	4 50	16 00
5A 3618 Mary Wallace.			
Pink.....	1 60	4 50	16 00
5A 3609 Paul's Scarlet.	1 60	4 50	16 00
5A 3610 Primrose. ...	1 60	4 50	16 00

Climbing Roses for Fence, Trellis, or Post

Climbing Roses may be trained over an arch, draped around posts, or festooned from one post to another. Planted on steep slopes, and pegged down, they hold the soil against erosion. They require no pruning in the spring except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered; but prune severely in July, directly after they have finished flowering.



Climbing Mary Wallace



Pinocchio

For Your Convenience

You may now order Roses by number. And, if you desire, you may omit quantities; merely give number and value. For example, 5A 3619 . . . \$3. tells us we may send you three Mme. Gregoire Stachelin Climbing Roses.

***Blaze.** Patent 10. Spectacular blazing red blooms, flowering profusely in early summer and some later blooms. 5A 3611 Dormant plants only, \$1.50 each, \$4.15 for 3, \$15 per doz.

***Climbing American Beauty.** A pleasing rose-pink. 5A 3612 Dormant plants, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3607 In pots after May 10, \$1.60.

Dr. W. Van Fleet. The long, pointed buds are of a rich flesh-pink. This is the easiest to grow and the most satisfactory of all the light pink climbing Roses and the plants are especially vigorous. 5A 3613 Dormant plants only, \$1.10 each, \$3 for 3, \$11 per doz.

***Easlea's Golden Rambler.** Patent 114. Clusters of large, chrome-yellow and maddery orange blooms. 5A 3615 Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

***Emily Gray.** Splendid clusters of semi-double, buff and amber-yellow blossoms. Vigorous climber. 5A 3616 Dormant plants, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3608 In pots after May 10, \$1.60.

Mary Wallace. Large, rose-pink flowers. 5A 3617 Dormant plants, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3618 In pots after May 10, \$1.60.

Mme. Gregoire Stachelin. Very large, double, fragrant flowers are delicate pink, outside stained crimson. Heavy dark foliage. A climbing Hybrid Perpetual Rose, June blooming. 5A 3619 Dormant plants only, \$1.10 each, \$3 for 3, \$11 per doz.

New Dawn (The Everblooming Dr. W. Van Fleet). Really the most satisfactory Everblooming Climber introduced. Flesh-pink in color. 5A 3620 Dormant plants only, \$2 each, \$5.50 for 3, \$20 per doz.

Paul's Scarlet Climber. A vivid scarlet which does not bleach or fade. Established plants often repeat several times during the season. 5A 3621 Dormant plants, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3609 In pots after May 10, \$1.60.

***Primrose.** A real hardy yellow Rambler. 5A 3622 Dormant plants, \$1.10 each, \$3 for 3, \$11 per doz. 5A 3610 In pots after May 10, \$1.60.

Silver Moon. Pure white in color. Splendid dark green, leathery foliage. Dormant plants, 5A 3623 \$1.10 each, \$3 for 3, \$11 per doz.

Shrubbery Roses

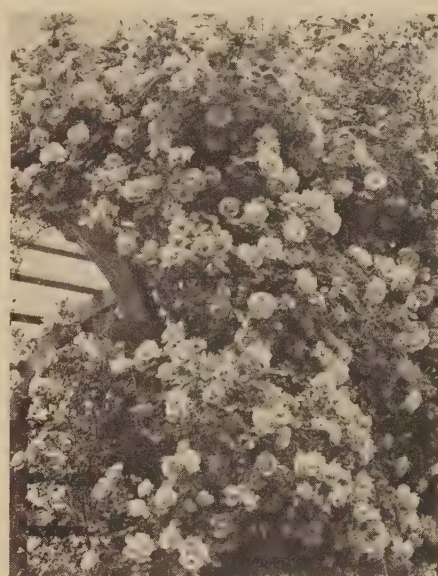
Will bloom this summer. Average height about 4 feet.

5A 3637 **F. J. Grootendorst.** Clusters of small, red flowers, double, with frilled petals.

5A 3638 **Pink Grootendorst.** Similar to the above, but the flowers are clear pink.

5A 3639 **Hugonis.** From north China, and very hardy. This is a graceful shrub with red canes, fern-like foliage, and masses of single yellow flowers in May. Will grow up to 8 feet.

Shrubbery Roses, dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.



Climbing American Beauty

Floribunda Roses

A medium to large-flowered group derived from *Rosa multiflora nana*. Extremely hardy, vigorous and continuously full of bloom; splendid for a good effect in the garden, because always they are aglow with color from June to frost. Perfect cut-flowers also.

5A 3630 **Cecile Brunner** (The Sweetheart Rose). Clusters of dainty, medium-sized, very double flowers of soft pink and yellow. Height 1½ ft. Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

5A 3636 **Donald Prior.** Patent 377. New and dependable sort; rugged in growth; dramatic deep red. Airy damask perfume. \$1 each, \$2.75 for 3, \$10 per doz.

5A 3626 **Goldilocks.** Patent 672. Rich gold, the plant suggesting a splash of sunlight in the garden. Ovoid buds open to perfect 3½-inch blooms. Height 2½ ft. Dormant plants, \$1.50 each, \$4.15 for 3, \$15 per doz.

5A 3629 **Ming Toy.** P.A.F. Clusters of small, very double, deep rose-pink flowers. Long-pointed in the bud stage. Dark, leathery foliage. Blooms profusely. Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

5A 3625 **Pinocchio.** Patent 484. The semi-double blooms are quite like those of an everblooming Rose, with salmon buds, flushed gold; they change to soft clear pink as the flowers open. New interest is afforded daily as some trusses are open and pink, while others are still salmon and gold buds. Height 2 ft. Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

5A 3628 **Summer Snow.** Patent 416. Masses of immaculate snow-white trusses. Blooms are sweetly fragrant and 3½ inches across. Height 2 ft. Dormant plants, \$1 each, \$2.75 for 3, \$10 per doz.

5A 3627 **World's Fair.** Patent 362. Velvet-like, rich scarlet, semi-double Roses nearly 4 inches across. They deepen to maroon in fall. Height 2½ ft. Dormant plants, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

GIANT DOUBLE DAHLIAS

Selected Varieties for Exhibition, for Garden Display, for Cut-Bloom

Initials immediately following each name indicate the class to which the Dahlia belongs, thus:

F.D.—Formal Decorative Dahlias. Fully double flowers, floral rays generally broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

I.D.—Informal Decorative Dahlias. Double flowers, rays generally long, twisted, pointed; usually irregular arrangement.

C.—Recurved or Straight Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length

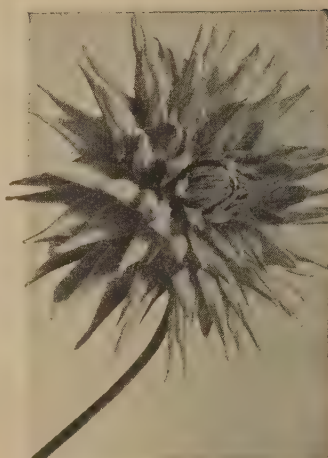
or more, the floral rays being recurved or straight.

I.C.—Incurved Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

Semi-C.—Semi-Cactus Dahlias. Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.



Formal Decorative (F.D.)



Recurved or Straight Cactus (C.)

4A 3063 **BOB WHITE.** F.D. Purg white, giant flowers, full and deep, freely borne on long stems. 50 cts. each, \$4.50 for 10.

4A 3064 **CALIFORNIA IDOL.** I.D. Giant prize-winner. Clear, bright, glistening yellow. Vigorous healthy grower and good bloomer. \$1 each, \$9 for 10.

4A 3065 **CARDINAL KING.** I.D. Giant deep rich cardinal-red blooms of fine form. Strong, vigorous grower. 50 cts. each, \$4.50 for 10.

4A 3066 **CLASS.** F.D. One of the largest yellow Dahlias. The petals fall back toward the stalk when fully out. \$1.50 each, \$13.50 for 10.

4A 3067 **COMMANDO.** F.D. Huge 10 to 14-inch flowers of clear true phlox-purple on long, stiff stems. Fine variety that will be much seen as a prize-winner. \$1.50 each, \$13.50 for 10.

4A 3068 **DIXIE WINE DOT.** I.D. Wonderful bi-color. Flower is 10 to 12 inches across, pure white, flecked and striped with wine-red. Achievement Medal winner. \$2 each, \$18 for 10.

4A 3069 **ESSIE SMITH.** Semi-C. Amaranth-pink. Petals curl to the very points. One of the largest, of good substance and strong stems. \$2 each, \$18 for 10.

4A 3070 **FIVE STAR GENERAL.** F.D. A very large formal flower. Color is a blend of amaranth-pink blushing to Tyrian-pink and shading to maize-yellow toward the center. On all three Honor Rolls. \$4 each.

4A 3071 **GAYLORD BALLAY.** I.D. A giant pure white. An outstanding variety; the best large white Dahlia of all time. Enormous flowers even under only average care. \$2 each, \$18 for 10.

4A 3072 **GENERAL PERSHING.** I.D. Giant flower of coral and jasper-red, with a chrome-yellow flush. Rugged grower. Scored 85 at Storrs. \$4 each.

4A 3073 **GOLDEN ECLIPSE.** I.D. Giant. Bright gold flowers; immense size; perfect form. 50 cts. each, \$4.50 for 10.

4A 3074 **HUNT'S VELVET WONDER.** I.D. Deep burgundy-red flowers up to 15 inches across. \$1 each, \$9 for 10.

4A 3075 **JANE COWL.** I.D. Massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. 50 cts. each, \$4.50 for 10.

4A 3076 **JERSEY'S BEAUTY.** F.D. One of the finest true pink Decorative Dahlias yet introduced. 50 cts. each, \$4.50 for 10.

4A 3077 **JOHN A. KERNOCHAN.** F.D. A fine bicolor; garnet-red, tipped white. Long stems. \$2 each, \$18 for 10.

4A 3078 **KENTUCKY COLONEL.** F.D. Soft creamy tan striped crimson. Free-flowering. \$2 each, \$18 for 10.

4A 3079 **KING PETER.** F.D. One of the most beautiful Dahlias. White tipped lavender, delicately blended; flowers facing and held high on cane-like stems. \$1 each, \$9 for 10.

4A 3080 **KIRSTEN FLAGSTAD.** I.D. Outstanding variety. Profuse bloomer. Very large, buff and gold flowers. \$4 each.

4A 3081 **LAVENDER QUEEN.** F.D. Large, soft clear lavender. Free bloomer. Fine for cutting. 75 cts. each, \$6.75 for 10.

4A 3082 **MAFFIE.** Semi-C. One of the largest Dahlias grown. The lively carmine blooms outclass most others where shown. \$2 each, \$18 for 10.

4A 3083 **MARIE.** F.D. Bright pink. Prolific bloomer. Good for cutting and garden decoration. \$1 each, \$9 for 10.

4A 3084 **MARIE MESSA.** C. Charming variety, blooming very freely on long stems. Dainty light pink, lightening toward the center. Splendid cut-flower. Winner of many awards. \$2 each, \$18 for 10.

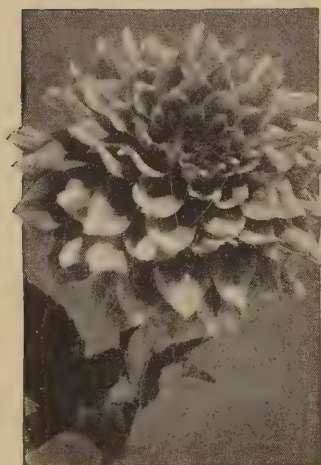
4A 3085 **MARY TAYLOR.** I.C. Fine, deep flesh-pink and gold. Blooms 9 inches in diameter and 4 inches through, on fine stems. A good keeper. 6 ft. On the Honor Roll. \$1 each, \$9 for 10.

4A 3086 **MISS SAN DIEGO.** I.C. Somewhat odd shape. Tyrian-pink, with thread-like markings of the same hue on the strontium yellow center florets. These are deeply laced at the tips. Large size. On all three Honor Rolls. \$4 each.

4A 3087 **MRS. HESTER PAPE.** I.D. Ten- to 14-inch flower of red-purple. A vigorous, easy grower that can be readily forced to an enormous size. Has an outstanding show record on all Honor Rolls. \$4 each.

4A 3088 **OGDEN REID.** F.D. Midway between rose and salmon, blended with primrose-yellow. The center is deeper rose. Very large, 12½ inches or more across by 6½ inches deep; 3 feet, with heavy, thick foliage. \$4 each.

PREPARING SOIL FOR DAHLIAS: Spread one pound of Humus per square foot on sandy or clayey land; spread one pound to 10 square feet of Sawco Dahlia Food on all types of soil. Dig and rake smooth.



Informal Decorative (I.D.)

4A 3089 **PINK REGALIA.** F.D. to I.D. Lively intense pink, 7 to 9 inches. Flowers held upward and facing on splendid long stems. Ideal for garden and cut-flowers; very free blooming. \$1.50 each, \$13.50 for 10.

4A 3090 **RED CHAMPION.** I.D. Large blooms 11 by 5 inches (sometimes more). Beautiful carmine-red. 50 cts. each, \$4.50 for 10.

4A 3091 **RONNY LEE.** Semi-C. Blend of scarlet-red and salmon-orange, making an effective combination; the blooms are 12 inches or more in diameter. Fine variety and a good grower. \$3 each, \$27 for 10.

4A 3092 **RHYTHM.** I.C. Beautiful, dainty flower of unusual cameo-pink and rose, blending to a soft lemon-center; 8 to 9 inches in diameter. Rugged grower and free bloomer. Awarded the Memorial Gold Medal. \$2 each, \$18 for 10.

4A 3093 **TUXEDO.** I.D. Red with orange tips; reverse is silvery. Can be grown to 12 inches across and 6 inches deep. Stems are extra good, and the variety is a good keeper as a cut-flower. \$2 each, \$18 for 10.

4A 3094 **VIN WELL PARAGON.** F.D. to I.D. A gorgeous Dahlia of dainty cameo-pink with amber-yellow at base of petals. Fine long stems. \$2 each, \$18 for 10.

4A 3095 **VIRGINIA RUTE.** I.D. Rich oxblood-red, with broad, pointed petals and a tight center. The flowers are held well out of the foliage on long strong stems. Fine for exhibition. \$1 each, \$9 for 10.

4A 3096 **WATCHUNG GIANT.** I.D. Deep amber-yellow suffused orange-cadmium. Wins consistently. Profuse bloomer. 75 cts. each, \$6.75 for 10.

4A 3097 **WHITE BEAUTY.** F.D. Pure white, large-flowering Dahlia of beautiful form and good substance. Fine garden and cut-flower variety. 50 cts. each, \$4.50 for 10.

4A 3098 **YELLOW QUEEN.** I.D. Bright clear yellow of fine form. For cutting and garden. 75 cts. each, \$6.75 for 10.

4A 3099 **YOUR LUCKY STAR.** C. Amaranth-pink with white center. A perfect cactus. A medal winner. \$1 each, \$9 for 10.



Incurved Cactus (I.C.)



POMPON DAHLIAS

PLANTING DAHLIA ROOTS

Drive in Dahlia Poles four feet apart each way, and dig a hole at the foot of each. Drop in a handful of Sawco Dahlia Food, and mix well. Spread some unfertilized soil over the enriched earth. Place the Dahlia root horizontally five inches below the surface; fill the hole with soil and tread firmly.

PRUNING DAHLIAS

Limit main stems to two at most. Pinch the tops when the third pair of leaves shows; pinch the two main branches when the third pair shows. Limit buds one to a branch.

SINGLE DAHLIAS

These are effective in the garden, and are wonderful for cut-bloom.

Four beautiful colors are available: White, Pink, Red and Yellow. Sold in mixture only. 4A 3117 40 cts. each, \$3.60 for 10.

4A 3121 **ORCHID-FLOWERING DAHLIAS**. This type is most interesting and popular for landscape effects, table decorations and charming floral arrangements. Florets are gracefully waved. Mixed colors. 50 cts. each, \$4.50 for 10.

COLORFUL MINIATURE DAHLIAS

Flowers 3½ inches in diameter or less

These are increasing in popularity and interest. After careful tests, we are including many new and meritorious varieties, giving a complete range of distinct colors and forms. All types of Dahlias are to be found in this section, but the plants are dwarf and the flowers are perfect gems, ideal for cut-flower purposes. They are also invaluable for borders, hedges or planting in the perennial garden. Since their height is between 1½ and 3 feet, they need no supporting stakes and may be used for bedding. Pinch them to keep the plants uniform.

4A 3110 **ROYAL BLUE**. F.D. Flowers 2½ to 3 inches across. An alluring blend of blue and royal purple, very striking; long stems and free flowering. 75 cts. each, \$6.50 for 10.

4A 3111 **ROYAL BRONZE**. F.D. Flowers 3 to 3½ inches across. Bright blend of orange and bronze; long stems and free flowering. 75 cts. each, \$6.50 for 10.

4A 3112 **ROYAL RED**. F.D. (New.) Flowers 2½ to 3 inches across. Brilliant scarlet; long stems and free flowering. 75 cts. each, \$6.50 for 10.

4A 3109 **ROYAL SALMON-PINK**. F.D. (New.) Flowers are large and produced in great abundance. Stalks are long. Ideal for room decoration, because the color holds well under artificial light. 75 cts. each, \$6.50 for 10.

4A 3113 **ROYAL WHITE**. F.D. Pure white; exceptionally free flowering. 75 cts. each, \$6.50 for 10.

4A 3114 **ROYAL YELLOW**. F.D. Never before on the market. Bright yellow, petals slightly edged buff. The general effect is yellow. 75 cts. each, \$6.50 for 10.

ROYAL COLLECTIONS

Three of the above six new miniature Dahlias are illustrated on page 68.

Collection 4A 3115. 6 roots, one each (value \$4.50)..... \$4 00
Collection 4A 3116. 12 roots, two each (value \$9)..... 7 75

4A 3046 **BABY HALE**. F.D. Very free-blooming variety. The color is an engaging bronze-orange.

4A 3047 **BISHOP OF LLANDAFF**. Peony-flowered. Bright scarlet; duplex form. Attractive fern-like, reddish purple foliage.

4A 3048 **DOLLY**. F.D. Finely formed blooms are freely produced; a charming light lavender.

4A 3049 **IKE**. F.D. (New.) The numerous tight florets overlap and each has a laced tip. A profuse-blooming dark red.

4A 3047 **JAMBOREE**. S.C. Well-shaped flowers are produced freely. Color is a combination of pink and salmon.

4A 3050 **RHODESIA**. D. (New.) Salmon-pink. Free flowering.

4A 3051 **SYLVIA**. F.D. Brilliant deep red; flowers of beautiful form. A low grower and free flowering.

4A 3053 **WHITE FAWN**. F.D. Pure waxy white; fine for garden decoration and for cut-flower purposes. Foliage is dark and glossy.

Above 8, 50 cts. each, \$4.50 for 10

COLLECTIONS

OF MINIATURE DAHLIAS

Collection 4A 3054. 8 roots, 1 each of the above (value \$4)..... \$3 50
Collection 4A 3055. 16 roots, 2 each of the above (value \$8)..... 6 75

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller. The plants are also smaller, of branching habit, and produce a profusion of flowers which are invaluable for table decoration and boutonnières.

4A 3122 **Amber Queen**. Amber-yellow.

4A 3123 **Barbara Ann**. Dainty pink.

4A 3125 **Glow**. Bright red.

4A 3124 **Mary Muns**. Deep lavender.

4A 3126 **Snowclad**. Pure white.

4A 3127 **Yellow Gem**. Deep yellow.

Above 6 varieties, 35 cts. each, \$3.25 for 10

COLLECTION OF POMPON DAHLIAS

Collection 4A3128. Six roots, one each of the above (value \$2.10), for \$1.75.

COLLECTION—GIANT DOUBLE SORTS

Collection 4A 3106 **Garden Full of Dahlias** \$5

List value \$8.50 for

Sold in a Collection. Each tagged with its name.

We offer these at a saving because they are kinds of which we hold large stocks, and all of them are good. It is your opportunity to become acquainted with the delights of Dahlia-growing. Enormous flowering kinds, all different, and four of them are brand new—colors are sparkling.

These are the varieties you get in Collection 4A3106

4A 3062 **Blue Bird**. Blue. 4A 3081 **Lavender Queen**. Lavender. 4A 3065 **Cardinal King**. Cardinal-red. 4A 3083 **Marie**. Bright pink. 4A 3073 **Golden Eclipse**. Gold. 4A 3090 **Red Champion**. Carmine-red. 4A 3076 **Jersey's Beauty**. Pink. 4A 3097 **White Beauty**. White. 4A 3079 **King Peter**. White, tipped lavender. 4A 3098 **Yellow Queen**. New; yellow. 4A 3078 **Kentucky Colonel**. New; orange-tan. 4A 3099 **Your Lucky Star**. Amaranth-pink, white center.

Twelve Exhibition Dahlias as named

Collection 4A 3107

Twelve Exhibition Dahlias \$4

List value minimum \$6 for

Our selection of splendid varieties in mixture. They do not have name-tags attached, but each is different, and all are large—no miniatures, pompons, or singles. At least one will be from the one dollar price group, and at least one will be a two-color novelty sort, not yet on the market.

Collection 4A 3108

Six Exhibition Dahlias, unnamed, \$2.50

Collection 4A 3108 is one-half Collection 4A 3107, but is otherwise identical. List value minimum \$3.

GLADIOLUS

*The Cream of the World's
Best Varieties*

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, is advisable. For best results, we recommend plants being staked when one foot high. (We offer light green dyed bamboo canes, which are excellent for this purpose.) Water copiously, and as the flower-buds begin to form, apply liquid manure for exhibition spikes.

May be planted at intervals for a succession of bloom, and those held for planting should be kept cool. Patrons who plant late for September flowers may order in the spring; we will keep corms in cold storage and ship them when required, up to July 15, which, in the latitude of New York, is the latest advisable date to plant.

From planting-date, blooms appear in 10 to 11 weeks with early sorts,
12 to 13 weeks with midseason sorts, 14 weeks with late sorts

FORTY Fine Varieties Are Described Below

And to help you make your selection, we first list them under their respective colors

**APRICOT, BUFF,
CREAM**
Corona

BLUE, LIGHT
Blue Beauty

BLUE DARK
Abu Hassan
Pelegina

CREAM-WHITE
Leading Lady
Shirley Temple
Wanda

PINK and SALMON
(With decided blotch)
Beacon

SALMON-PINK
Giant Pink
Picardy

ORANGE
Barcarole

LAVENDER-PINK
Elizabeth the Queen
Minuet

LIGHT PINK
Camellia
Ethel Cave-Cole
Margaret Fulton
Rosa van Lima

SCARLET
Dr. F. E. Bennett
Tip Top

RED
Algonquin
Commander Koehl
Giant Red
New Europe
Rewi Fallu
Valeria

ROSE
Chamouny
Dream of Beauty

WHITE
Giant White
Maid of Orleans
Myrna
Margaret Beaton
Snow Princess

PURPLE
King Lear

YELLOW
Giant Yellow
Golden Dream
Spotlight
Yellow Emperor

ART SHADES
Bagdad
Mother Machree
Vagabond Prince

4A 3290 **Abu Hassan.** Dark blue. A fine sort, considered the best in its color. \$1.50 for 10, \$13.50 per 100.

4A 3291 **Algonquin.** Red. Brilliant and glowing; the finest ruffled scarlet. Sure-fire exhibition sort. \$1.10 for 10, \$9 per 100.

4A 3292 **Bagdad.** Art Shade. Midseason exhibition sort. Smoky rose, deeper at the edges, with lighter throat. Individual flowers are 6 inches across. 75 cts. for 10, \$6 per 100.

4A 3293 **Barcarole.** Orange. A beautiful salmon-orange self. 90 cts. for 10, \$7.50 per 100.

4A 3294 **Beacon.** Salmon-red. The flower has a large cream blotch and is very large; it is slightly waved. 90 cts. for 10, \$7.50 per 100.

4A 3295 **Blue Beauty.** Light blue. A beautiful flower, with the margins of the petals tipped with violet. \$1.10 for 10, \$9 per 100.

4A 3296 **Camellia.** Near-white. Beautiful blush-white, with a tinge of pink; pinkish veins. 90 cts. for 10, \$7.50 per 100.

4A 3297 **Chamouny.** Rose. Florets are a cerise shade, each with a silvery edge. \$1.25 for 10, \$10 per 100.

4A 3298 **Commander Koehl.** Red. Large, brilliant scarlet-blood flowers on a tall stem. Fine exhibition sort and one of the best reds. Late. 90 cts. for 10, \$7.50 per 100.

4A 3299 **Corona.** Cream. New. Charming primrose florets, each with a deeper hued throat. Edges are picotee a dainty rose. \$1.10 for 10, \$9 per 100.

4A 3300 **Dream of Beauty.** Rose. The color is that of the American Beauty rose. Ten or twelve florets are open at one time, to make the variety the best in its shade. 90 cts. for 10, \$7.50 per 100.

4A 3301 **Dr. F. E. Bennett.** Scarlet. Immense blooms of fiery scarlet, overlaying peach-red; lip speckled ruby and white. Tall, stiff stems. 90 cts. for 10, \$7.50 per 100.

4A 3302 **Elizabeth the Queen.** Lavender-pink. The mauve tone is clear, and there are darker lines at the throat. Seven to eight florets are open at a time. An outstanding sort. \$1.75 for 10, \$15 per 100.

4A 3303 **Ethel Cave-Cole.** Pink. A pure light hue, often flushed darker. Very strong grower. 90 cts. for 10, \$7.50 per 100.

4A 3305 **Golden Dream.** Golden yellow, with tall, straight stems. A variety particularly suited for cut-flowers. 75 cts. for 10, \$6 per 100.

WE RECOMMEND:

The Best Four Gladiolus

For the Home Garden

4A 3340 **Giant Red.** Red.

4A 3341 **Giant Pink.** Pink.

4A 3343 **Giant White.** Snow-white.

4A 3342 **Giant Yellow.** Yellow.

These are splendid varieties, large and trouble-proof. Advised for the amateur gardener.

They are illustrated on page 68.

Above 4, 90 cts. for 10, \$7.50 per 100.

4A 3344 **COLLECTION:** 40 bulbs, 10 each, of the above varieties . **\$3.25**

4A 3345 **COLLECTION:** 100 bulbs, 25 each . **\$7.50**



Gladiolus

Beat the High Cost of Living in your own Home Garden. Collections of Vegetable Seeds will help. See page 9.

We supply 3 or more corms of a variety at the 10 rate, 25 at the 100 rate

GLADIOLUS, continued



Collection of Gladiolus

- 4A 3307 **King Lear**. *Purple*. New. Clear, deep rich wine-purple, with an edging of silver. Large and heavily ruffled florets on a strong stem. In a class by itself for size, shaped, and color. 85 cts. for 10, \$7 per 100.
- 4A 3308 **Leading Lady**. *Cream-white*. Giant vigorous plant for the show table and garden decoration. Sometimes eight florets are open at one time, with sixteen more buds. \$1.75 for 10, \$15 per 100.
- 4A 3309 **Maid of Orleans**. *White*. The pure white florets have cream throats; many in bloom at once. Excellent for exhibition. Midseason. 75 cts. for 10, \$6 per 100.
- 4A 3310 **Margaret Beaton**. *White*. A wonderful exhibition sort, nearly 6 feet tall. On the perfect spikes as many as 8 to 10 large florets will be open at one time. They are snow-white, with a splash of vermillion in the throat. 90 cts. for 10, \$7.50 per 100.
- 4A 3311 **Margaret Fulton**. *Rose-pink*. A new variety, large and fine in this ever-popular color. 75 cts. for 10, \$6 per 100.
- 4A 3312 **Minuet**. *La ender-pink*. Beautiful clear, light lavender, with 4 to 6 large, heavily textured blooms open at one time. Late. \$1.10 for 10, \$9 per 100.
- 4A 3313 **Mother Machree**. *Art Shade*. A smoky lavender overlaid salmon-pink on edges. Large flowers, 6 or more open at once. Midseason. 90 cts. for 10, \$7.50 per 100.
- 4A 3314 **Myrna**. *White*. Splendid large, ruffled pure white florets. A vigorous exhibition variety. 90 cts. for 10, \$7.50 per 100.
- 4A 3315 **New Europe**. *Red*. Giant variety; splendid brilliant hue. Strong grower; good exhibition sort. \$1.25 for 10, \$10 per 100.

- 4A 3316 **Pelegrina**. *Dark blue*. One of the finest dark blue-violets with large individual florets. Early. 90 cts. for 10, \$7.50 per 100.
- 4A 3317 **Picardy**. *Salmon-pink*. The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. Midseason. 85 cts. for 10, \$7 per 100.
- 4A 3319 **Rewi Fallu**. *Dark red*. Brilliant, large, and highly ruffled flowers, 6 to 8 open at a time. The finest deep blood-red Gladiolus. 90 cts. for 10, \$7.50 per 100.
- 4A 3320 **Rosa van Lima**. *Light pink*. Pure self-colored light pink, with many flowers open at one time on fine, strong, straight stems. Fine, clear pink without a trace of salmon. 90 cts. for 10, \$7.50 per 100.
- 4A 3321 **Shirley Temple**. *White* with cream throat; the flowers are large, and beautifully ruffled. As many as 12 open at one time. 90 cts. for 10, \$7.50 per 100.
- 4A 3322 **Snow Princess**. *White*. Finest new white kind, with a light cream-white throat. Large, and of splendid exhibition shape, tall and straight. Six or more blooms open at once. 90 cts. for 10, \$7.50 per 100.
- 4A 3324 **Spotlight**. *Yellow*. Popular at all Gladiolus shows. Tall spikes; large, slightly waved florets. The color is deep and clear, with a fiery scarlet blotch in the throat. \$2.75 for 10, \$25 per 100.
- 4A 3325 **Tip-Top**. *Scarlet*. Seven to eight wide florets are open at one time. The color is a warm one, and in the center of the flower is a blotch of darker hue. Handsome, striking variety. \$1.25 for 10, \$10 per 100.
- 4A 3326 **Vagabond Prince**. *Art Shade*. The florets are a shining reddish brown, and on the lower petals there is a splash of vermillion. An interesting color combination, and a fine sort. 75 cts. for 10, \$6 per 100.
- 4A 3327 **Valeria**. *Light red*. A fine self color, with many flowers open at once; extra good. It keeps well and its color stands. \$1.25 for 10, \$10 per 100.
- 4A 3329 **Wanda**. *Cream-white*. A most valuable sport from Picardy. Flowers are of good size and most shapely. Fine exhibition sort. 90 cts. for 10, \$7.50 per 100.
- 4A 3330 **Yellow Emperor**. *Yellow*. The florets are self-colored, and about the same hue as King Alfred daffodil; handsome spikes. \$1.25 for 10, \$10 per 100.



4A 3333 American Hybrids Mixed

We include a splendid variety of named sorts. The popular price warrants liberal planting. Well matured and good; excellent for cut-flower purposes or mixed borders. 75 cts. for 10, \$6 per 100, \$55 per 1000.

GLADIOLUS THRIPS

A destructive insect of microscopic size causing a silvered appearance on the foliage, drying of the flower-buds, and a general blighting of the plant.

Gladiolus corms obtained from us have been treated to control thrips. On their arrival, however, we recommend:

Before Planting

1. Remove the skins, so that "bare" corms are planted. Do not injure the tips.
2. Stir 2½ ounces of Semesan in one gallon of water. Immerse the corms in the liquid for seven hours; dry and plant.

During Growth

3. Spray with Gladiolus Thrip Spray. Dissolve one pound in 10 gallons of water and apply every two weeks.

When Bulbs Are Lifted

4. In autumn, burn the tops cut from the lifted corms. Place corms in a low, but not freezing, temperature for six weeks.
5. Next cover with paper, first dusting through them one pound of Thripco to each 1000 corms; or you may use Naphthalene Flakes. Avoid containers with close-fitting lids; ventilation is necessary.
6. At the end of one month, shake out the Thripco or Naphthalene Flakes, and store the treated corms in the usual way.

BULBS IN COLD STORAGE

For planting in your greenhouse by July 1 for Thanksgiving and Christmas blooming, we offer:

Selected Large Bulbs

- 4A 3206 **Lilium auratum**. Per case of 50 bulbs, \$45.
- 4A 3207 **Lilium speciosum magnificum (rubrum)**. Per case of 50 bulbs, \$45.
- 4A 3208 **Lilium Henryi**. Per case of 50 bulbs, \$30.

For blooming outdoors in September:

RETARDED GLADIOLUS. Select your varieties and order them in April or earlier; we place the corms in our cold-storage warehouse for you and deliver them around July 1. No extra charge. Planting time is July 1-15.

LILY-OF-THE-VALLEY

Dainty perennial, much valued for its pure white fragrant flowers in spring. It is hardy, very easily grown, preferring partial shade and rich soil. Shown at left.

4A 3210 For **outdoor planting** we recommend the use of individual roots or "pips," rather than clumps. They should be two years old, and may be set out at intervals of 4 inches each way. We offer high-quality pips. 10 pips 75 cts., 25 pips \$1.75, 100 pips \$6.

4A 3211 For **growing indoors**, in the greenhouse or home, we offer specially fine refrigerated forcing pips. 5 pips 90 cts., 10 pips \$1.75, 25 pips \$4.25, 100 pips \$16.



Acidanthera

ACIDANTHERA MURIELIAE

4A 3002 Abyssinian Sword Lily

A kin to gladiolus, this is a stiff 3½-foot plant bearing open spikes of cream-white florets in August and September, each petal having a suffused pink blotch at the base. 50 cts. each, \$4.50 for 10, \$40 per 100.

AMARYLLIS Giant Hybrids

For the window-garden; easily managed. Wonderful colors. Pot up bulbs, as soon as received, in good garden loam, enriched with a handful of fertilizer; water and store in a dark place in a temperature of 50 to 60 degrees for 4 weeks, then put in full light. May be grown outdoors in summer.

4A 3004 **STUMPP & WALTER CO.'S GIANT HYBRIDS.** An excellent strain from a famous California grower, the colors comprising the best types available. Since they are grown from seed, we can offer them in mixture only. 75 cts. each, \$7 for 10, \$65 per 100.

4A 3005 **LEOPOLDII GOLD MEDAL STRAIN.** A splendid Exhibition Strain of bulbs produced by a celebrated grower in Holland. This same strain was exhibited years ago at the New York Flower Show. We offer the following colors: **Orange, Scarlet, Crimson, Salmon and White.** \$3.50 each, \$32.50 for 10, \$300 per 100.

4A 3006 **HALLI (Lycoris squamigera).** Produces foliage which grows until July, when it disappears. About a month later the flower-stalks spring from the ground to a height of 2 or 3 feet, developing an umbel of 8 to 12 large, lily-shaped flowers of a delicate lilac-pink shade. The bulb is perfectly hardy. Cover crown about 4 inches. \$1.50 each, \$13.50 for 10, \$130 per 100.

CALLAS

Plant in the open border when danger from frost is over. When tops are killed by frost, dig and store same as Gladiolus. Excellent pot-plants for the conservatory or home.

4A 3041 **Golden Yellow (Richardia Eliottiana).** Best Yellow Calla; its flowers are a rich, lustrous golden hue. The foliage is dark green, with creamy white spots. 35 cts. each, \$3 for 10, \$25 per 100.

4A 3042 **Pink (Zantedeschia Rebmanni).** A lovely dwarf Calla. Rose-pink flower, maturing cerise. Selected bulbs, 50 cts. each, \$4.50 for 10, \$40 per 100.

4A 3043 **WHITE.** First-size bulbs, 35 cts. each, \$3 for 10, \$25 per 100. Mammoth bulbs, 50 cts. each, \$4.50 for 10, \$40 per 100.

Flowering Bulbs and Roots

We supply 3 or more bulbs of a variety at the .10 rate, 25 at the 100 rate, except where stated

BEGONIAS TUBEROUS-ROOTED

Provide a pan or box, and cover the bottom with one inch of sphagnum moss, placing the bulb on top and covering with another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear, plant in pots in a light soil, one inch below the surface, and water cautiously until the plant has shown growth, then increase the amount. Good drainage is essential. Or the bulbs may be planted outdoors 8 inches apart in the latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

Valuable for planting in moist shaded areas. Bulbs may be lifted in autumn, stored in a cool damp place over winter.

Double Camellia-flowered

An improved double strain which greatly resembles the camellia in form. These are most brilliant; the illustration on the back cover gives some idea of their beauty.

4A 3012 Apricot	4A 3016 White
4A 3013 Scarlet	4A 3017 Yellow
4A 3014 Pink	4A 3018 Mixed
4A 3015 Crimson	

4A 3019 **COLLECTION:** Five bulbs, one each of five of the above colors, our selection \$1.50.

Single Frilled and Ruffled

A pleasing variation to the plain-edged kind.

4A 3020 Apricot	4A 3024 White
4A 3021 Scarlet	4A 3025 Yellow
4A 3022 Pink	4A 3026 Mixed
4A 3023 Crimson	

4A 3028 Multiflora

Plants are covered all summer with semi-double and double flowers of great brilliance, 2 to 3 inches across. Height 15 inches.

We offer a select **Mixture**, consisting of Rose-pink, Salmon-orange, Red and White.

Bulbs any of above three classes of Begonias, 35 cts. each, \$3 for 10, \$25 per 100.

4A 3007 ANEMONE Excelsior Mixture

Single flowers, in brilliant hues of blue, white and scarlet. Plant outdoors end of April, in well-drained soil. For greenhouse culture also. 70 cts. for 10, \$6 per 100.



Cannas in Border



Caladium esculentum (Elephant's Ear)

CALADIUM ESCULENTUM

Elephant's Ear

One of the most effective plants for beds, borders or for planting out upon the lawn. Very frequently used as border plants; their large, rich green leaves are often 4 feet long and 2½ feet wide. Plant outdoors from May 15 on.

4A 3037 Jumbo-size bulbs, 45 cts. each, \$4 for 10, \$30 per 100.

4A 3038 Mammoth-size bulbs, 35 cts. each, \$3 for 10, \$25 per 100.

FANCY-LEAVED CALADIUMS

Few summer foliage plants equal the Fancy-leaved Caladiums in their gorgeous, yet soft, coloring. All the varieties are ideal for furnishing the conservatory during the summer months, or even for outdoor bedding in semi-shady positions. Bulbs do best if started in pots, one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

4A 3039 Choice named varieties or a mixture of colors, at your option. 35 cts. each, \$3 for 10, \$25 per 100.

CANNAS

Roots may be planted in 4- or 5-inch pots or shallow boxes in March or April and kept in a warm place. The started plants may be set out about May 20 to June 10 in the vicinity of New York, about 2 feet apart. Dormant roots may be planted outdoors in May.

4A 3030 **City of Portland.** Deep pink.

4A 3031 **King Humbert.** Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. 5 ft.

4A 3032 **Richard Wallace.** Yellow. Green foliage. 5 ft.

4A 3033 **The President.** Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. 5 ft.

4A 3034 **Yellow Humbert.** Bright yellow, flecked red. Green foliage. 5 ft.

Selected roots, any of above, 20 cts. each, \$1.50 for 10, \$12 per 100

4A 3035 **Mixed.** All colors. 15 cts. each, \$1.25 for 10, \$10 per 100.



4A 3041.
GOLDEN
CALLA.
35 cts. each,
\$3 for 10,
\$25 per 100.



4A 3039. FANCY-LEAVED CALADIUM.
35 cts. each, \$3 for 10, \$25 per 100.



4A 3244. PEARL TUBEROSE.
20 cts. each, \$1.75 for 10,
\$15 per 100

Easy-to-Grow BULBS



4A 3210. LILY-OF-THE-VALLEY. For
outdoor planting. 75 cts. for 10,
\$1.75 for 25, \$6 per 100.



4A 3142.
GLOXINIAS, Mixed Colors. 45 cts. each,
\$4 for 10, \$30 per 100.



4A 3235. OXALIS, American Shamrock.
45 cts. for 10, \$4 per 100, \$30 per 1000



4A 3376. MEXICAN SHELLFLOWER (Tigridia).
\$1 for 10, \$9 per 100



4A 3130. BLEEDING-HEARTS. 75 cts. each, \$7 for 10, \$65 per 100.

ROYAL MINIATURE DAHLIAS

At most 3 ft. high, they need no stakes. Plant them in beds or borders, and pinch to keep them uniform. Charming perfect flowers of the Formal Decorative type are 3½ inches or less in diameter—ideal for room decoration.

- 4A 3109. *Royal Salmon-Pink.
- 4A 3110. Royal Blue.
- 4A 3111. *Royal Bronze.
- 4A 3112. *Royal Red.
- 4A 3113. Royal White.
- 4A 3114. Royal Yellow.

*These shown at right
Roots of the above, 75 cts. each, \$6.50 for 10.



Assortments of Miniature Dahlias

ROYAL COLLECTIONS

- 4A 3115. SIX ROOTS, one each variety, value \$4.50..... **\$4.00**
- 4A 3116. TWELVE ROOTS, two each variety, value \$9..... **\$7.75**

4A 3340
GLADIOLUS,
Giant Red.
90 cts. for 10,
\$7.50 per 100.

*Four
Fine*

GLADIOLUS

In Collections

- GIANT RED
- GIANT PINK
- GIANT YELLOW
- GIANT WHITE

ASSORTMENT 4A 3344—
10 each above, 40 Bulbs..... **\$3.25**

ASSORTMENT A 3345—
25 each above, 100 Bulbs..... **\$7.50**

Colors are separate, so you can plan your color planting.



4A 3341 GLADIOLUS
Giant Pink. 90 cts.
for 10, \$7.50 per 100.

4A 3342 GLADIOLUS
Giant Yellow. 90 cts.
for 10, \$7.50 per 100.

4A 3343
GLADIOLUS
Giant White.
90 cts. for 10,
\$7.50 per 100.



Flowering Bulbs and Roots in Colorful Variety

We supply 3 or more bulbs of a variety at the 10 rate, 25 at the 100 rate, except where stated



Madiera Vine

4A 3130 **DICENTRA SPECTABILIS**

Bleeding-Heart or Seal Flower

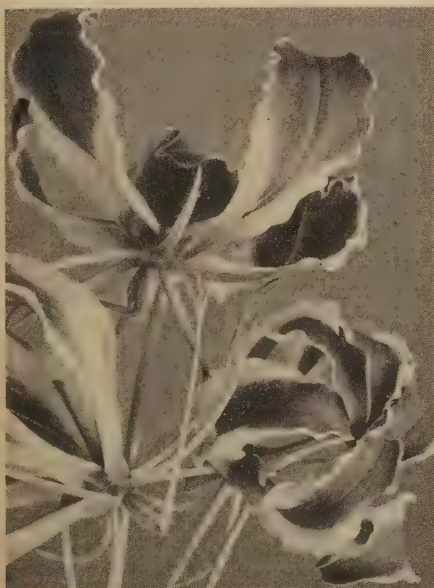
An old-fashioned favorite, with long racemes of graceful heart-shaped pink flowers that are always attractive. We offer only extra-strong clumps which will make fine specimen plants first year after planting. Clumps, 75 cts. each, \$7 for 10, \$65 per 100.

4A 3132 **GLORY LILY**

Gloriosa Rothschildiana

Tuberous-rooted greenhouse climber; or may be grown outdoors, provided the roots are lifted before frost. The truly remarkable waxy, lily-like flowers are 3 inches across and have prominent curved stamens; perianth is crimson, banded with gold and near-white at the center, reflexed and waved.

Easy to grow; plant in a sunny position, and water generously in dry weather. Pinch to produce bushy plants for an unusual flower-bed. \$1.25 each, \$11 for 10, \$95 per 100.



Gloriosa Rothschildiana

GLOXINIA

Handsome summer-blooming, tuberous-rooted plant. Ideal for pot-culture. Use care in watering and give good drainage. The cultural directions for begonias might also be followed for Gloxinias.

- 4A 3134 White with pink border.
- 4A 3135 Scarlet, with white border.
- 4A 3136 Violet with white border.
- 4A 3137 Light red.
- 4A 3138 White.
- 4A 3139 Purple-blue.
- 4A 3140 Crimson.
- 4A 3141 Spotted; various colors.
- 4A 3142 Choice Mixed.

Any of above, 45 cts. each, \$4 for 10, \$30 per 100

HYACINTHUS CANDICANS

- 4A 3145 Luxuriant, free-growing summer-flowering plant; spreads 2 to 3 feet, throwing up great, tall spikes, 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs, 20 cts. each, \$1.75 per doz., \$15 per 100.

4A 3147 **MADEIRA VINE**

Climbing Mignonette. Will cover a large space in a short time. Fleshy heart-shaped leaves, and racemes of feathery fragrant flowers. Protect with litter in winter. 20 cts. each, \$1.50 for 10, \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection over winter of leaves or litter if planted in a permanent location.

- 4A 3149 **Apricot Queen.** Rich golden apricot. One of the first to bloom. Strong grower. 3 ft.
- 4A 3150 **Comet.** Large, star-shaped flower of fine substance, rich deep golden orange, with a broad band of blood-crimson and a yellow center. Dark stems. 2½ ft.
- 4A 3151 **His Majesty.** A glorious variety. Flowers measure 4 inches across, deep velvety scarlet shading to gold; reverse of petals is crimson shading to gold. 4 ft.
- 4A 3152 **James Coey.** Large flowers of rich vermilion suffused with golden orange; yellow center with crimson blotches. 3 ft.
- 4A 3153 **Lady Wilson.** Very large, bright yellow flowers with an orange sheen. 3½ ft.
- 4A 3154 **Red Knight.** Large star-shaped flowers of rich vermilion, shading to gold at center, heavily overlaid with maroon; reverse of petals crimson and orange. 3 ft.

Any of above, 20 cts. each, \$1.75 for 10, \$16 per 100

Four Fine Standard Varieties

- 4A 3155 **California.** Deep golden yellow.
- 4A 3156 **Fire King.** Glowing scarlet.
- 4A 3157 **Talisman.** Deep orange.
- 4A 3158 **Transcendent.** Orange-scarlet.
- 4A 3159 **S. & W. Co.'s Jewel Mixture.** Contains yellow sorts of various shades, oranges, apricots and scarlets; many flowers are blotched with deeper colors.

Above 5, 15 cts. each, \$1.25 for 10, \$10 per 100

OXALIS

Excellent summer-blooming bulb; fine for edging the borders of walks or flower-beds.

- 4A 3235 **American Shamrock.** Pink flowers; clover-like leaves spotted maroon. Shown in color on page 67.
- 4A 3236 **Deppei alba.** Small white flowers. Has mostly four-leaved-clover-like foliage. Ideal companion to American Shamrock.

Above 2, 45 cts. for 10, \$4 per 100, \$30 per 1000

RANUNCULUS • Buttercup

- 4A 3240 **Tecolote Mixed.** Giant double and semi-double flowers in orange, red, yellow, and pink. Plant during May; north of Washington they require a winter mulch. 70 cts. for 10, \$6 per 100, \$55 per 1000.

4A 3376 **TIGRIDIA**

Mexican Shellflower

This grows well in the open ground in summer as far north as New England. Illustrated in color on page 67.

CULTURE.—Give the bulbs the same treatment as gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. \$1 for 10, \$9 per 100.



Montbretia, His Majesty

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering later in the open, plant in May and June.

- 4A 3244 **Excelsior Double Pearl.** White; double-flowering. Selected Bulbs, 20 cts. each, \$1.75 for 10, \$15 per 100.
- 4A 3245 **Single Mexican.** Charming single form. 20 cts. each, \$1.75 for 10, \$15 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

- 4A 3247 **Candida.** Pure white; flower very beautiful and a profuse bloomer. \$1 for 10, \$9 per 100.
- 4A 3248 **Rosea.** Beautiful clear rose; flowers large and handsome. \$1 for 10, \$9 per 100.

HARDY LILIES—Exclamation Points of Garden Beauty

Lilies are so beautiful, and many so fragrant, that you may think them hard to grow, but most of the following varieties are easy.

Generally, they are best planted where their roots will be in shadow and their stems and leaves in full light. Ideal positions are amid shrubs or in the annual or perennial border, or in the companionship of ground-cover. Any good garden soil will serve, provided it drains well. Spade the land to a depth of 18 inches and work in General Garden Fertilizer; plant the bulbs in groups of three or more of a kind,

setting them on a 1-inch layer of sand to provide adequate drainage.

Many Lilies are "stem-rooters," that is, they develop roots on the stem above the bulb, in addition to roots below the bulb. Other kinds are "basal-rooters," depending on roots below the bulb only. Stem-rooters are planted deep enough that the top of the bulb is covered by a thickness of soil twice the size of the bulb, from base on top; basal-rooters are planted shallow, overlaid by soil equal to one-half the size of the bulb.

SIX EXCELLENT VARIETIES

Easiest to grow. Most reliable. Most effective. Four shown in color on inside back cover.

4A 3171 Auratum. Stately Lilies growing 3 to 6 feet high. One plant bears twenty or more large, fragrant flowers 8 to 10 inches in diameter, in August. White spotted deep red, with a bright yellow band running through the center of each petal. Plant 9 to 12 inches deep. Stem-rooting. 85 cts. each, \$8 for 10, \$75 per 100.

4A 3169 Longiflorum Estate (Hardy Easter Lily). Of the several types of so-called Easter Lilies grown in the states of Oregon and Washington, this type of the Croft Lily is a splendid variety for garden planting. A pure white, large trumpet Lily, perfectly hardy, frequently bearing five to seven flowers on a single stem. Blooms in early August. Height 4 to 5 feet. 70 cts. each, \$6 for 10, \$50 per 100.

4A 3162 Speciosum magnificum (Pink Orchid Lily; Oriental Orchid). Frosted white, spotted, clouded and bordered with crimson. Broad, waved petals, strongly recurved. Blooms outside in August. One of the handsomest of garden Lilies, doing well in part shade and lasting many years. 4 to 5 ft. 85 cts. each, \$8 for 10, \$75 per 100.

4A 3170 Philippinense formosanum. A slender, graceful trumpet Lily growing 3 to 4 feet high. The flower is pure white with an emerald-green throat shaded outside with violet. Delicious fragrance. Foliage is plentiful and the stems are extra strong. They begin blooming in August and continue until stopped by frost. Plant 4 to 5 inches deep. 40 cts. each, \$3.50 for 10, \$30 per 100.

4A 3168 Henryi (Yellow Speciosum). Vigorous, 6 to 8 feet high, with bright apricot-yellow flowers (more than twenty on a plant) in July and August. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Regale (Royal Lily). Enormous alabaster trumpets are tinged with rose outside and suffused with gold within. Stem-rooting; plant 6 to 8 inches deep in good well-drained soil. Grows 4 to 6 feet tall. Blooms July.

	Each	10	100
4A 3164 First size...	\$0 30	\$2 75	\$25 00
4A 3165 Mammoth			
Bulbs.....	40	3 75	35 00
4A 3166 Jumbo Bulbs	60	5 00	45 00
4A 3167 Monster			
Bulbs.....	70	6 50	60 00

OTHER GOOD LILIES

4A 3174 Canadense rubrum. Giant sprays of nodding bell-like orange-red blooms on 3- to 5-foot stems in July. Stem-rooting. Plant 8 inches deep in full sun or light shade. Keep roots cool with ground cover. 40 cts. each, \$3.50 for 10, \$30 per 100.

4A 3175 Canadense flavum. Like above but has pale yellow flowers. 40 cts. each, \$3.50 for 10, \$30 per 100.

4A 3177 Centiflorum Hybrids. Immense white trumpets on stems up to 8 feet tall. Delightfully fragrant. White inside; the external colors vary from emerald-green to pink-purple. Plant in light shade about 5 inches deep in well-drained soil; give slight protection in coldest parts of the country. They bloom in July and August. 70 cts. each, \$6 for 10, \$50 per 100.

4A 3172 Davidii. Each bulb furnishes in July a score or more of showy, nodding, 3-inch blooms; they are cinnabar-red or scarlet, spotted black, on a 5- to 6-foot, slender but sturdy stem. Easily grown; plant in sun or partial shade, 6 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

Davuricum. See Umbellatum.

4A 3173 Maxwell. A hybrid between *Lilium Maximowiczii* and *L. Willmottiae*. Strong, 6-foot stems carry 30 or more recurved blooms, bright red with orange stamens. Flowers in late July. Plant 8 inches deep. 60 cts. each, \$5.50 for 10, \$50 per 100.

4A 3188 Orange Triumph. One of the newer Lilies, a cross between *Lilium umbellatum* and *L. croceum*. Brilliant orange, chalice-like blooms are borne freely on 3½-foot stems. Like Umbellatum, it blooms in June. Plant 4 to 6 inches deep. The color is remarkably brilliant. 50 cts. each, \$4.50 for 10, \$40 per 100.

4A 3187 Pardalinum giganteum (Sunset Lily, or Giant Panther Lily). Very easy to grow, and will thrive in sun or shade. A strong, 5- to 6-foot stem carries a dozen or more handsome flowers in July. They have recurved petals, bright scarlet and yellow spotted rich brown. Plant 6 to 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.

4A 3179 Superbum (Turk's-Cap Lily). It grows 5 to 8 feet high, with an immense cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. Plant 6 inches deep in well-drained, slightly acid, or neutral soil; best in partial shade. Blooms in July. 25 cts. each, \$2.25 for 10, \$20 per 100.

4A 3180 Tenuifolium (Coral Lily). Graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Height 1 to 2 feet. Likes damp soil among rocks, with access to sunlight. Plant 6

inches deep. 25 cts. each, \$2.25 for 10, \$20 per 100.

4A 3181 Tenuifolium, Golden Gleam. Beautiful golden yellow form of the preceding. Blooms at the same time. 35 cts. each, \$3.25 for 10, \$30 per 100.

4A 3182 Tigrinum splendens. The Tiger Lily is well known; showy, spotted red-orange flowers in August. 4 to 5 ft. Easy to grow, thriving in full sun in any soil. Plant 6 inches deep. 35 cts. each, \$3.25 for 10, \$30 per 100.

4A 3183 Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome. 35 cts. each, \$3.25 for 10, \$30 per 100.

4A 3184 Umbellatum grandiflorum erectum. Vivid orange-scarlet flowers held upright on 2-foot stems are borne in June. Plant 4 to 6 inches deep, in full sunlight, in well-drained soil. 60 cts. each, \$5.50 for 10, \$50 per 100.

4A 3185 Umbellatum, Golden Fleece. The yellow form of the above. 70 cts. each, \$6 for 10, \$55 per 100.

4A 3186 Willmottiae. The 3 to 4-foot stem in July and August bears fifteen to twenty brilliant orange-red flowers measuring 3 inches across with recurved petals freely dotted with brownish spots. Needs staking. Plant 8 inches deep. 50 cts. each, \$4.50 for 10, \$40 per 100.



VIGOROUS, HARDY PERENNIAL PLANTS REWARD WITH BEAUTY, YEAR AFTER YEAR

Our Perennial Plants are propagated in our nurseries at Farmingdale, Long Island, where the climate is conducive to rugged plants. Here we have humid summers and cold, wet winters with bitter winds.

These extremes of weather produce "tough" plants which will thrive anywhere. We do not offer as hardy, plants which are definitely not so. You may plant these with every confidence.



Anthemis, Thora Perry



Anchusa myosotidiflora



Fall Anemones

ACONITUM. Monksblood. Does well in partial shade. Requires a rich woods soil. Root is poisonous.

5A 3976 **Napellus.** Dark blue. 4 ft. Aug.

5A 3977 **Sparks' Variety.** Deep violet-blue. Very stately, growing up to 5 feet.

Above 2 varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 3978 **ÆTHIONEMA, Warley Rose.** Rock-Daphne; Stone-Cress. ★ Rich pink. Resembles a miniature Daphne; very choice. Likes a sandy soil and a sunny location. 4 to 6 in. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

AJUGA. Bugle-Flower. Splendid carpeting plants and ideal ground-covers for sun or partial shade.

5A 3979 **Metallica.** ★ Bronze foliage and blue flowers. 4 to 6 in. June.

5A 3980 **Multicolor.** ★ Leaves are multicolored, varying from dark green to red, white, and yellow. 4 to 6 in.

5A 3981 **Reptans alba.** ★ Pure white flowers. 4 to 6 in. June.

5A 3982 **Reptans, Pink Spires.** ★ Very effective because of its soft pink flowers on long spikes. Fine for the edges of paths and walks. 6 to 9 in. June, July.

ALYSSUM. Madwort; Basket of Gold. Sheets of yellow flowers. Very suitable for rock-gardens, walls, and sunny borders.

5A 3984 **Saxatile.** ★ Golden yellow. 1 ft. May.

5A 3985 **Silver Queen.** ★ Lemon-yellow. 1 ft. May.

ANCHUSA. Alkanet; Bugloss. Among the best blue summer-flowering plants.

5A 3986 **Italica, Dropmore.** Very showy and effective in borders. Brilliant royal blue. 4 to 5 ft. July.

5A 3987 **Myosotidiflora.** ★ Sprays of turquoise-blue flowers resembling forget-me-nots. 1½ ft. May, June. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4001 **ARENARIA montana.** Sandwort. ★ A fine rock-plant; large snow-white flowers in early spring. Excellent for walls.

Fall Anemones • Windflower

Thriving in sun or part shade, they make a charming picture from early September to late October. They revel in woody soil.

5A 3989 **Huopenhensis.** Early. Rose-mauve. 1½ ft.*

5A 3990 **Margarete.** Double, dark pink. 3 ft.*

5A 3991 **Marie Manchard.** Semi-double, white. 3 ft.*

5A 3992 **Rosea superba.** Large, rose. 3 ft.

5A 3993 **September Charm.** Rosy pink. 2 ft.*

5A 3994 **September Queen.** A gem. Semi-double, rose-red. Very floriferous. 2 ft.*

5A 3995 **Rubra.** Dark crimson. 2 ft.

5A 3996 **Whirlwind.** White, double. 2½ ft.*

Above Anemones, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS

5A 3997 6 plants, one each marked * \$3

5A 3998 18 plants, three each, \$7.50

5A 3999 **ANEMONE pulsatilla.** Pasque Flower. ★ Lovely mauve flowers in late April and May. The flowers are covered with silky hairs and have golden stamens. 9 in.

ANTHEMIS. Chamomile. Summer-flowering. Elegant, finely cut foliage. Fine for cutting.

5A 4013 **Thora Perry.** English novelty; bright yellow flowers. 3 ft. July, Aug. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARABIS. Rock-Cress. ★ Make a fine display in rock-gardens and as edgings.

5A 4002 **Albida fl.-pl.** White, double, sweet-scented. 9 in. May.

5A 4003 **Rosabella.** Very compact, with delicate pink flowers. 6 in. May.

5A 4004 **Snowcap.** Compact habit, with single white blooms. 6 to 9 in. April.

EPICURE FOODS and GIFTS.
This department of rare delicacies issues a special Catalogue; we gladly mail it on request.

Aquilegia • Columbine

Beautiful old-fashioned border plants of indescribable charm. Graceful spurred flowers, often two-colored, on long stems, are produced mostly in early summer. All are excellent for cutting.

5A 4006 Super-Spurred Colossal

A strain of gigantic-sized Columbines, measuring 5 to 6 inches across, with spurs 4 inches long, covering a range of over 50 colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Long-spurred Varieties. All flower in June, and are from 2 to 3 feet in height.

5A 4007 **Blue Shades.**

5A 4008 **Rose and Pink Shades.**

5A 4009 **Scarlet Shades.**

5A 4010 **Sawco Hybrids.**

5A 4011 **Longissima.** Bright yellow, with spurs 3 to 4 inches long, 2½ ft. Usually blooms late, from July on. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ARMERIA. Thrift; Sea-Pink.

5A 4014 **Bees' Ruby.** Large flowers are borne on long stems. Color is brilliant ruby-red. 1½ ft. May-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4015 **Cæspitosa.** Rare and beautiful. Neat tufts of stiff green foliage studded with pale pink flowers. 3 in. June.

5A 4016 **Farmingdale Giants.** A selected strain of giant-flowering Thrifts with stems 2 to 2½ feet high. Excellent for cutting. Many shades of pink, salmon, strawberry, etc. July, Aug.

5A 4018 **ARTEMISIA, Silver King.** Ghost Plant. A very decorative plant with white, finely cut leaves. Excellent in the perennial border to accentuate the beauty of flowering plants. 3 to 4 ft.

BOLTONIA. Bolton's Starwort. These have the appearance of Michaelmas daisies, but flower in August.

5A 4046 **Latisquama.** Lilac-pink. 5 ft.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

Plant Your Hardy Border with These Beautiful Subjects

Easy to place them, because the height is shown on these pages. Average distance apart is 1 foot; tall or spreading types at wider intervals; dwarf ones closer together.

To fill bare space the first year, sow seeds of Annuals; one or more of the Collections described at the end of the Flower Seed Section will be found most helpful in this regard.

Aster • Michaelmas Daisy

Provide a wealth of bloom in September and October, and are as invaluable as chrysanthemums. Splendid for borders and also for naturalizing in woodland plantings. They thrive anywhere but have a preference for sandy loam and a dislike for overcrowding. The dwarf varieties provide much-needed fall color in the rock-garden.

Novæ-angliæ.

*5A 4019 **Harrington's Perfected Pink.** The finest pink Aster yet introduced. A clear, soft pink. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

*5A 4020 **Mt. Rainier.** Pure white. A beautiful novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4021 **Red Cloud.** Pure deep pink. A very fine novelty. 4 to 5 ft. Sept., Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Novi-belgi. All varieties flower in September and October.

5A 4022 **Little Boy Blue.** Bright blue, semi-double flowers. 1½ ft.

5A 4023 **Little Pink Lady.** Large, semi-double, rich pink flowers. 1½ ft.

5A 4024 **Mount Everest.** Large, pure white flowers in great profusion. 4 ft.

*5A 4025 **Queen Mary.** Deepest, richest blue. Very large flowers with golden centers. 4 to 5 ft.

*5A 4026 **Red Rover.** Deep rosy red with golden center. 3 to 4 ft.

5A 4027 **Royal Pink.** A beautiful bright pink. Compact habit. 3 ft.

5A 4028 **Strawberries and Cream.** The flowers open deep pink, changing to a softer pink, the whole plant having a color combination distinctly its own. 4 ft.

COLLECTIONS

5A 4029A 4 plants, 1 each marked *, \$1.75

5A 4029B 12 plants, 3 each marked *, \$5.25

ASTER, Various Species.

5A 4030 **Frikarti.** Very free flowering, producing charming blue flowers of large size. One of the finest perennials of today. 2 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4031 **Hybridus luteus.** Myriads of small starry yellow flowers on graceful stems. Compact. 2 ft. July-Sept.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

5A 4032 ASTER, VIOLETTA. Novelty.

Masses of beautiful flowers in September and October, 3 to 4 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

ASTER, Dwarf Hybrids. Bushy; 1 ft.

5A 4033 **Countess of Dudley.** ★ Pink.

5A 4034 **Snowsprite.** ★ Pure white.

5A 4035 **Victor.** ★ Pale blue.

ASTILBE. *Spiræa.* These fine summer-flowering plants, with their graceful ferny leaves and spikes of soft plummy flowers, revel in rich, damp soil.

*5A 4037 **Amethyst.** Deep violet-purple. 2 ft. June.

5A 4036 **Deutschland.** Pure white.

*5A 4038 **Fanal.** Large heads of vivid vermilion. 2 ft. June, July.

*5A 4039 **Gladstone.** White. 1½ ft. June.

*5A 4040 **Gloria superba.** Dwarf. Deep pink. 2 ft. June.

Above Astilbes, 60 cts. each; \$1.75 for 3, \$6.75 per doz.

COLLECTIONS

5A 4041 4 plants, 1 each marked *, \$2

5A 4042 12 plants, 3 each marked *, \$5.50

Campanula • Bellflower

These beautiful plants are for the rockery and border. They are of easy culture.

5A 4047 **Carpatica.** ★ A compact plant 6 inches high. Large blue flowers. July.

5A 4048 **Carpatica alba.** ★ White form.

5A 4049 **Garganica.** ★ Trailing. Covered with deep blue, starry flowers in July.

5A 4051 **Persicifolia alba.** Snow-white bells 1½ inches in diameter produced on long, wiry stems. 3 ft. June.

5A 4052 **Persicifolia, Blue Spire.** Very attractive spikes of opalescent blue on strong, sturdy stems. Double flowers. 3 ft. June, July. 65 cts. each, \$1.85 for 3, \$7 per doz.

5A 4053 **Persicifolia, Telham Beauty.** Long, wiry 3-foot stems with large, single, silvery lavender-blue bells. July.

CAMPANULA MEDIUM. Canterbury

Bells. These grand old-fashioned border plants provide a wealth of blooms in June and July.

Offered with single flowers:

5A 4054 **Blue** 5A 4056 **White**

5A 4055 **Pink** 5A 4057 **Mixed**

Chrysogonum • Golden Knees

5A 4063 ★ **Virginianum.** Ground-cover; 4 to 6 in. For sun or part shade in a rich woody soil. Bright starry golden yellow flowers from May to August.

5A 4064 **CORONILLA cappadocica.** A trailing plant with a profusion of golden pea-shaped flowers. July, Aug.



Daphne Cneorum

Daphne Cneorum • Garland Flower

5A 4109 ★ A dwarf evergreen shrub with clusters of bright pink, fragrant flowers in May, and again in September. It prefers a sandy, peaty soil. 9 to 12-in. plants, \$2 each, \$5 for 3, \$17.50 per doz.

THE WELCOME GIFT

Of our thousands of merchandise items, many make ideal PRESENTS for anniversaries, birthdays, Easter, Mother's Day, Christmas or merely to say "thank you"—perennials, a collection of seeds, new dahlias, perhaps; roses, Epicure foods or some garden gadget.

A good idea is to purchase, for the amount you desire to spend, a *Gift Check*, good any time for any thing your friend selects. Give us the address and the amount; we do the rest.

If time is short, wire or phone us.



Astilbe (Spiræa)



Boltonia latisquama. See page 71.



Chrysogonum

Super-Hardy CHRYSANTHEMUMS

Mulch them over the winter; dig up and replant every spring, working General Garden Fertilizer into the soil.

These all flower very early, and when established they begin to bloom in August, carrying through to early October.

Charming Semi-double Kinds

- 5A 4067 **Pipestone.** Red-bronze. 18 in.
- 5A 4068 **Redwing.** Pompeian red. 18 in.
- 5A 4069 **Sunred.** Bright Brazil red. 2 ft.
- 5A 4070 **Waterlily.** Pure white. 18 in.

Stunning Double Kinds

- 5A 4071 **Butterball.** Lemon. 18 in.
- 5A 4072 **Chippewa.** Wine color. 2 ft.
- 5A 4073 **Dean Kay.** Rose-pink. 2 to 2½ ft.
- 5A 4074 **Dean Ladd.** Extra-large orange-yellow. 2½ ft.
- 5A 4075 **Glacier.** Extra-large white. 2 ft.
- 5A 4076 **My Lady.** Orange-yellow. 2 ft.
- 5A 4077 **Harmony.** Strawberry-pink. 18 in.
- 5A 4078 **Welcome.** Mallow-purple. 2 ft.

Above early-flowering types, 60 cts. each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS

- 5A 4079 12 plants, 1 each of above, \$7
- 5A 4080 36 plants, 3 each of above, \$20

Three New Chrysanthemums

Height 2 ft.

- 5A 4066 **Charles.** The double flowers are enormous—2½ to 3 inches across—and a rich buttercup-yellow.
- 5A 4088 **Morning Glow.** Dark pink in the center, becoming a light shell-pink at the edges; double, and 1½ to 2 inches across.
- 5A 4098 **Red Velvet.** Silky but substantial florets are a rich crimson. By far the best in this striking color.

Above 3, 60 cts. each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS

- 5A 4103A 3 plants, 1 each of above, \$1.75
- 5A 4103B 9 plants, 3 each of above, \$5.
- 5A 4103C 36 plants, 12 each of above, \$19.50

Late-Flowering Types

The following are beautiful autumn-flowering types, with lavish displays during September and October. All have good foliage, and, unless stated otherwise, they average 2½ to 3 feet in height.

Single Varieties

- 5A 4081 **North Star.** New. Pure white. Blooms mid-Sept. through five or six weeks.
- 5A 4082 **Kristina.** Large; brilliant red.

Double Korean Chrysanthemums

- 5A 4083 **Burma.** Compact; floriferous. Bronze, orange and copper overtones. Late Sept.
- 5A 4084 **Burgundy.** Stiff, strong stems. Rich, glowing wine-color. Large flowers.
- 5A 4085 **Eugene Wander.** A large-flowered golden yellow, blooming early in fall.
- 5A 4086 **Lavender Lady.** One of the largest doubles; an exquisite lavender-orchid.
- 5A 4087 **Mrs. P. S. du Pont.** Soft peach-pink with salmon-fawn overtones.

Cushion Chrysanthemums

Perfect mound-like habit with hundreds of flowers. Blooms from late August on.

- 5A 4089 **Bronze**
- 5A 4090 **Red**
- 5A 4091 **Yellow**
- 5A 4092 **White**
- 5A 4093 **Pink**

Pompon Chrysanthemums

- 5A 4094 **Harbor Lights.** Pale cream-yellow, soft yet sparkling. Sept. 28.
- 5A 4095 **Mandalay.** Brilliant orange-bronze; ideal for cutting. Oct. 1.
- 5A 4096 **Irene.** Often has 300 white buttons on a plant; long, stiff stems. 2½ ft. Oct.
- 5A 4097 **Judith Anderson.** Brilliant yellow buttons, shading to orange. 2 to 2½ ft. Oct.

CHRYSANTHEMUM maximum. *Sbasta* Daisy. Flowers are glistening white, and with most varieties are produced in June and July. All are of very easy culture and most suitable for cutting.

- 5A 4102 **Majestic.** Enormous saucer-size flowers are produced freely on strong stems. Midsummer. 2½ ft. 75 cts. each, \$2.15 for 3, \$8.25 per doz.
- 5A 4099 **Alaska.** Large white flowers 3 inches across. 2 ft. June.
- 5A 4100 **Beauty of Nivelloise.** The large flowers have two rows of lacinated florets. 2 to 2½ ft. Flowers all summer. 75 cts. each, \$2.15 for 3, \$8.25 per doz.
- 5A 4101 **Esther Reed.** Large double pure white flowers. Perfect for cutting. Blooms all summer. 1½ ft. 55 cts. each, \$1.50 for 3, \$3.50 per doz.

COREOPSIS. *Tickseed.* Old-fashioned border plants of very easy culture. Great profusion of flowers in July and Aug.

- 5A 4107 **Double Sunburst.** Brilliant golden yellow; double, 3½ inches across. Charming cut-flowers. 2 ft.
- 5A 4104 **Mayfield Giant.** An improvement on the old *C. grandiflora*, with larger yellow flowers and longer stems. 3 ft.
- 5A 4106 **Verticillata.** ★ Dwarf, compact plant 9 to 12 inches tall. Myriads of starry orange flowers from June until September.

5A 4065 **CYNOGLOSSUM nervosum.** *Hounds-Tongue.* Choice plant of easy culture, with brilliant gentian-blue flowers in July. 1½ ft.

DIANTHUS. *Garden Pinks.* Plants of compact habit with fragrant flowers.

- 5A 4125 **Beatrix.** ★ Light salmon-pink, scented flowers from May to Nov. 9 in.
- 5A 4126 **Bobby.** ★ Deep pink flowers, each with a crimson ring in the center.
- 5A 4127 **Her Majesty.** ★ Large pure white, intensely fragrant flowers. 1 ft. June.
- 5A 4128 **Little Joe.** ★ Flowers all summer and fall. Beautiful gray-green foliage with large single rich crimson flowers. 55 cts. each, \$1.50 for 3, \$5.50 per doz.
- 5A 4129 **New Blue.** ★ Foliage is dark green. Flowers lavender-blue, resembling a sweet william, and profusely borne on 9-inch trusses. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.
- 5A 4130 **Scotch or Florists' Pinks.** ★ Wide color-range; single and double. 1 ft. June.
- 5A 4131 **Silvermine.** ★ Novelty. Like Beatrix except that flowers are pure white.

DELPHINIUMS

Perennial Larkspurs

The king of border plants. Provide well-drained soil; give bonemeal and careful additional feedings of our General Garden Fertilizer. Spray with Bordeaux and dust with sulphur.

Super Gold Medal Hybrids. Splendid color-range from light blue to deep purple.

- 5A 4110 Yearling plants.
- 5A 4111 1-yr. plants, \$1 each, \$2.90 for 3, \$11 per doz.

5A 4112 **Belladonna.** Clear turquoise-blue.

5A 4113 **Belladonna, Cliveden Beauty.** Sky-blue. 4 ft. July.

5A 4114 **Bellamosum.** A dark blue form of Belladonna.

5A 4115 **Chinense.** Deep blue flowers and finely cut foliage. 2 ft. July.

PACIFIC HYBRIDS. Fine foliage and long spikes of large flowers; vigorous and very resistant to disease.

5A 4116 **Blue Jay.** Blue with gray overtones.

5A 4117 **King Arthur Series.** Royal violet.

5A 4118 **Guinevere Series.** Light lavender-pink.

5A 4119 **Summer Skies Series.** Clear light blue.

5A 4120 **Galahad Series.** Clear white.

Above Pacific Hybrids, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

COLLECTIONS

5A 4121 5 plants, 1 each of the above varieties, \$3.50

5A 4122 15 plants, 3 each, \$10.

5A 4123 **Round Table.** Noble mixture of all colors. (Pacific Hybrids.) 65 cts. each, \$1.90 for 3, \$7.25 per doz.

DICENTRA. *Bleeding-Heart.*

5A 4133 **Eximia.** *Fringed Bleeding-Heart.*

★ Dwarf; fern-like leaves and rose-pink flowers. 1 ft. Apr. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4134 **Spectabilis.** Old-time Bleeding-Heart. Beautiful pink flowers. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

DIGITALIS. *Foxglove.* For borders, woods, and wild gardens. Long spikes of beautiful tubular flowers. Useful in shade.

5A 4135 **Giant Shirley.** Pink, white, purple, yellow. 5 to 6 ft. June.

DORONICUM. *Leopard's Bane.* Early-flowering; of easy culture in sun or semi-shade. Excellent for cutting.

5A 4136 **Clusi.** ★ Bright yellow flowers on 9-inch stems. May.

5A 4137 **Excelsum.** Yellow flowers 2 to 3 in. in diameter on 2½-ft. stems. May.

ECHINOPS. *Globe Thistle.* Handsome, silvery, thistle-like foliage.

5A 4138 **Taplow Blue.** Heads of brilliant blue. Good for cutting. 3 to 4 ft. July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

EUPATORIUM. *Hardy Ageratum; Boneset; Thoroughwort; Mist-Flower.* Robust plants especially suitable for herbaceous borders and wild and woodland gardens.

5A 4144 **Ageratoides.** Pure white flowers and dark green leaves. 2 ft. Aug.

5A 4145 **Cœlestinum.** This pretty plant, with its light mauve-blue flowers, is excellent when associated with other fall-flowering plants. 2 to 3 ft. Aug.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Gaillardia

5A 4147 FUCHSIA, Scarlet Beauty

It is of upright habit and blooms freely during the entire summer. While it will stand the full sunlight, it delights in semi-shade. The four sepals are deep purple, the corolla ruby-red. Requires some protection north of Philadelphia. 3-in. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

FUNKIA. *Hosta; Plantain Lily.* Hardy subject that is especially suitable as a foliage plant in shady places. July.

5A 4148 **Lancifolia** *Albo-marginata.* Green-white variegated leaves. Blue flowers. 2 ft.

5A 4150 **Subcordata** *coerulea.* Leaves deep green, 10 inches long and 6 inches wide. The beautiful tubular flowers are blue, fragrant and 5 inches long. August. 2½ ft.

5A 4149 **Subcordata** *grandiflora.* Large leaves of refreshing green and tremendous spikes of pure white flowers. 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

Gaillardia • Blanket Flower

Produces a continual display of richly colored flowers from June until October and are unsurpassed for their brilliance.

5A 4151 **Goblin.** Dwarf. Bright yellow flowers with a deep red zone. 12 to 15 in.
5A 4152 **S. & W. Co's Giant Hybrids.** A grand strain from all the best hybrids. 2½ ft.

Above 2, each, \$1.35 for 3, \$5 per doz.

5A 4153 **Mr. Sherbrook.** Fine variety with large flowers of pure yellow, on long stems. 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4155 **GENTIANA Clusi.** ★ This beautiful mat-forming plant has 3-inch trumpets of deep blue. Requires a woody soil. 3 in. Summer and fall. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

GERBERA. *Barborton or Transaal Daisy.* Beautiful flowers 4 to 5 inches in diameter, embrace shades of red, orange, rose, to white and yellow. Protect them with a mulch over winter.

5A 4156 **Jamesoni Hybrids, Single.** A splendid mixture of all shades. July-Oct. 60 cts. each, \$1.75 for 3, \$6.75 per doz.

5A 4157 **Jamesoni Hybrids, Double.** Double flowers. Beautiful pastel shades. 90 cts. each, \$2.60 for 3, \$10 per doz.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★Dwarf plants for the Rock-Garden and edging the Perennial Border

Geum • Avena

Hardy, low, compact plants from which arise the graceful stems bearing their bright-colored blossoms.

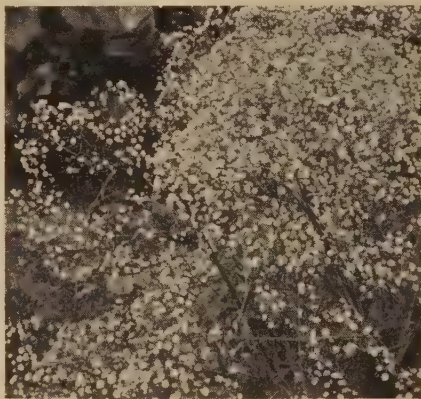
5A 4161 **Fire Opal.** Semi-double, orange-scarlet flowers. 2 to 2½ ft. June-Sept.

5A 4162 **Princess Juliana.** Large, semi-double flowers of pure orange. June-Sept.

5A 4163 **Wilton Ruby.** ★ *Novelty.* Semi-double, brilliant ruby flowers with orange overtones. 1½ ft. July-Sept.

All above Geums, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4164 **GERANIUM pectinatum.** *Crane's Bill.* ★ A very pretty compact plant with most attractive small Geranium-like leaves and rosy pink flowers. 1½ ft.



Gypsophila, Bristol Fairy

GYPHOPHILA. *Babys-Breath.* They are essentially for summer bouquets, and in the border their light, airy appearance will greatly enhance all other perennials.

Bristol Fairy. One of the most popular varieties for cutting, having huge panicles of white double flowers. 4 ft. July, Aug. 5A 4158 1-yr. pot-plants, 55 cts. each, \$1.50 for 3, \$5.50 per doz.; 5A 4154 2-yr. field-grown, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

5A 4159 **Paniculata.** Masses of small, pure white, single flowers. 2½ to 3 ft. July.

5A 4160 **Repens** *Bodgeri.* ★ A dwarf variety, excellent for edgings. Very light pink, double flowers. 1 ft.

HEDERA *Helix.* *English Ivy.* ★ Fine for under trees, on banks or against walls.

5A 4166 2¼-in. pots, \$2.75 per doz., \$21.50 per 100.

5A 4167 4-in. pots, 75 cts. each, \$2.15 for 3, \$7.50 per doz., \$50 per 100.

HELENIUM. *Sneezewort.* Fall-flowering perennial of easy culture. The flowers have warm autumn tints; excellent for cutting. Bloom Aug., Sept. 4 to 5 ft.

5A 4168 **Riverton Beauty.** Lemon-yellow.

5A 4169 **Riverton Gem.** Shot with red, brown and gold.

HELIANTHUS. *Perennial Sunflower.* Tall, choice border plants, fine for naturalizing and for providing an abundance of cut-flowers in late summer.

5A 4170 **Soleil d'Or.** Double, 3-inch dahlia-like flowers of rich yellow. 4 to 5 ft. July until late Sept.

5A 4171 HELIOPSIS incomparabilis.

North American Ox-Eye. Blooms in June and July; if cut back in July it will start again in September and bloom until frost. Flowers are 3 inches across and golden yellow. 2½ to 3 ft.

5A 4172 **Patula.** *European Novelty.* Rich cadmium-yellow; 3 rows of erect petals.

Above 2, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

HELLEBORUS. *Hellebore; Christmas Rose.* Hellebores need a good, deep rich soil and semi-shade. They look well planted at the base of a broad-leaved evergreen, or in a sheltered nook in the rock-garden. They should not be disturbed; after a year or so, they flower in increasing profusion.

5A 4201 **Niger.** ★ Big, dark green, leathery leaves, and very large white flowers in December. 1 ft. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

HEUCHERA. *Alum-Root; Coral Bells.* ★ Splendid plants of compact habit. Graceful spikes of flowers.

5A 4173 **Bloom's Variety.** Large, rich red flowers on 18-inch stems. Mottled foliage.

5A 4174 **Oakington Jewel.** Vigorous spikes of many small coral-pink bells. Beautiful dark mottled foliage.

5A 4175 **Snowflake.** Sturdy 18-inch spikes of large pure white flowers.

HIBISCUS. *Rose-Mallow.* Strong perennials with beautiful flowers 4 to 5 inches in diameter in August. 5 to 6 ft.

5A 4209 **Mallow Marvels.** Mixture of pink, red and white.

Hollyhocks

(*Althæa rosea*) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

5A 4202 **Haile Selassie.** *The Black Hollyhock.* Grows 6 to 8 feet with large flowers of near-black chocolate; yellow stamens. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SUPERB DOUBLE HOLLYHOCKS.

5A 4203 **Newport Pink** 5A 4205 **White**
5A 4204 **Scarlet** 5A 4206 **Yellow**

5A 4207 **Double, Mixed**



Hibiscus, Mallow Marvels

Dwarf Hemerocallis • Day-Lily

They average no more than 18 to 24 inches. Perfectly hardy and of easy culture, they bear hundreds of flowers each season when once established. Excellent for edging borders, paths, and driveways.

5A 4193 **Dumortieri**. Bright yellow, shaded brown. May, June.

5A 4194 **Middendorffi**. Bright yellow-orange. June, July.

5A 4195 **Orangeman**. Beautiful orange-yellow. Early June.

Above Dwarf Hemerocallis, 65 cts. each, \$1.90 for 3, \$7.25 per doz.

These Hemerocallis Average 3 ft.

5A 4197 **Francis Marion Series**. Loveliest reds, wines, maroons and purples, bold patterns, with no yellows or orange. Varied blooming season gives several months of brilliant color. 75 cts. each, \$2.15 for 3, \$8.25 per doz., \$60 per 100.

5A 4198 **Sunshine Series**. New lemon, gold and other light colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz., \$42.50 per 100.

5A 4199 **Jacob Murray Series**. All the darker colors—maroons, mahogany, rose, tan and many bicolors. All vary as to height and time of bloom. 65 cts. each, \$1.90 for 3, \$7.25 per doz., \$52.50 per 100.

STANDARD TYPES

After each is the date it first blooms. Flowering period is from 4 to 6 weeks.

5A 4176 **Bay State**. Large; orange. 3 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4177 **D. D. Wyman**. Large; golden yellow with brown bars. 3 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4178 **Dover**. Large; gold. 2½ ft. May 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4179 **Dr. Regel**. Rich orange. 2 ft. May 20.

5A 4180 **George Yeld**. Large; golden yellow with brown suffusion. 3½ ft. July 1. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4181 **Gold Dust**. Orange. 2½ ft. May 25.

5A 4182 **Goldeni**. Golden yellow. 3 ft. June 8.

5A 4183 **Gypsy**. Very deep orange. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4184 **Hyperion**. Citron-yellow. 3½ ft. \$1 each, \$2.90 for 3, \$11 per doz.

5A 4185 **J. A. Crawford**. Apricot. 4 ft. June 17. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4186 **Lemona**. Large; pale yellow. 3½ ft. June 17. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

5A 4187 **Mikado**. New. Rich orange, purple shading. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

5A 4188 **Ophir**. Tall; lemon-yellow. 4 ft. June 25. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4189 **The Gem**. Pale gold. 3 ft. June 15. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS

5A 4190 1 plant each, marked ●, \$3.

5A 4191 3 plants each, marked ●, \$8.75.

IRIS PUMILA. Dwarf Iris. ★ Lovely little Iris only 8 inches high. Blooms in April and May. Useful for the rock-garden.

5A 4263 **Excelsa**. Pale lemon-yellow.

5A 4264 **Sambo**. ★ Dark violet-blue.

5A 4265 **Schneekuppe**. ★ Showy white.



Bearded Iris

Oriental Iris

Siberian Iris

Iris vulgaris

Bearded Iris; Flag; Fleur de Lys
June-blooming

They are of easy culture, simply requiring a well-drained soil and plenty of sun. Care should be taken not to plant too deeply.

5A 4211 **Alta California**. Yellow. 4 ft.

5A 4212 **Ambassadeur**. Standards rosy lilac; falls rich purple.

5A 4213 **Athene**. Tall bearded white.

5A 4214 **Dauntless**. Velvety, near red. 40 in.

5A 4215 **Dazzler**. Deep rose; very fragrant.

5A 4216 **Euphony**. Yellow; falls flushed blue. 3 ft.

5A 4217 **Evolution**. Tall, bearded, self yellow.

5A 4218 **Frieda Mohr**. Giant pink.

5A 4219 **Goblin Red**. Ox-blood-red.

5A 4220 **Grisette**. Violet, old-gold and light brown.

5A 4221 **Grace Sturtevant**. Rich mixture of dark red, brown, and violet-carmine. Prominent bright golden beard.

5A 4222 **Henri Riviere**. Shades of yellow and lilac-mauve. The lilac shading is delicate; the general effect is yellow. 3½ ft.

5A 4223 **Indian Chief**. One of the superior reds; it carries a bronzy overcast. Very large flower, quite tall, and well-branched.

5A 4224 **Midgard**. Yellow suffused pink.

5A 4225 **Milky Way**. Milk-white, veined lavender.

5A 4226 **Mrs. Valerie West**. Brown-red and crimson; large, fragrant flower. 3 ft.

5A 4227 **Pioneer**. Rich red-purple.

5A 4228 **Queen Catherine**. Very large pale blue flowers. Sweetly scented.

5A 4229 **Rameses**. Rose, pink, and buff. 3 ft.

5A 4230 **Seminole**. Velvety red-purple; orange beard.

5A 4231 **Wedgwood**. Delicate pottery blue.

Spring and Fall-blooming Iris

Of interest because after flowering profusely in the spring, they blossom again in the fall, after they have become well established.

5A 4233 **Autumn Elf**. Standards cream, falls lavender. Very fragrant. 1½ ft.

5A 4234 **Autumn King**. Blue-purple. 3 ft.

5A 4235 **Autumn Queen**. A very pretty white, dwarfier than the King.

5A 4236 **Dorcas Hutchinson**. Very fragrant; deep violet self. 1½ ft.

5A 4237 **Peggy Babington**. Rich clear canary-yellow. 28 in.

5A 4238 **Sangreal**. Rich yellow. 28 in.

5A 4239 **September Skies**. Purple-red. Excellent with Golden Harvest. 16 in.

COLLECTIONS

5A 4240 1 each of the above 7 varieties, \$2.90

5A 4241 3 each of the above 7 varieties, \$8.50

Iris Kaempferi • Oriental Iris

These flower after the Bearded Irises have gone, and will do well in almost any location, but especially well where it is moist.

IMPROVED VARIETIES.

5A 4243 **Elbrus**. Double, clear lavender; immense size and splendid substance.

5A 4244 **Light-in-the-Opal**. Double; orchid-pink with glistening sheen.

5A 4245 **Mahogany Giant**. Deeper velvety maroon than Mahogany, and larger.

5A 4246 **Violet Giant**. Rich violet; semi-double; frequently 27 inches around.

5A 4247 **White Giant**. White with yellow markings.

Above Improved Irises, \$1 each, \$2.90 for 3, \$11 per doz.

STANDARD VARIETIES.

5A 4248 **Ruby King**. Double; ruby-crimson.

5A 4249 **Blue Queen**. Deep blue, veined yellow.

5A 4250 **La Favorite**. Double; white, veined blue.

5A 4251 **Mrs. George Stumpp**. Single; white with lavender center.

5A 4252 **Painted Lady**. Single; pink and white.

5A 4253 **Pyramid**. Tall. Dark violet-purple, yellow blotch.

5A 4254 **Violet Beauty**. Violet; single.

All Standard Irises, 65 cts. each, \$1.90 for 3, \$7.25 per doz.

Iris sibirica • Siberian Iris

Large clumps of decorative grassy foliage, and an abundance of flowers excellent for cutting. 3½ to 4 ft. June.

5A 4256 **Emperor**. A dark violet-blue.

5A 4257 **Perry's Blue**. Clear sky-blue.

5A 4258 **Snow Queen**. Pure white.

Miniature Irises

★ An early dwarf type, blooming along with the daffodil. Beautiful and delicate in appearance, yet especially hardy. Recommended for the rock-garden, for edging the border or alongside the garden path.

5A 4260 **Mogador**. ★ Milk-white standards; falls soft yellow. 12 in.

5A 4261 **Sound Money**. ★ Rich golden yellow. Blooms spring and fall. 8 in.

5A 4262 **Tony**. ★ Dark ruby-red. 1 ft.

Iris cristata • Crested Iris ★

5A 4266 Large crested flowers of soft amethyst-blue with a touch of gold. May. 4 to 6 in.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

ENCOURAGE THE BIRDS, for many of them help in your fight against insect pests. We supply a mixture of just the FOOD SEEDS they like. Five pounds, \$1

Iberis • Perennial Candytuft

Beautiful dwarf evergreen plants thriving in sun or partial shade. Useful for the rock-garden, dry walls and edging.

5A 4268 **Gibraltarica**. Beautiful pale lilac flowers in great profusion. May. 9 in.

5A 4269 **Sempervirens, Little Gem**. ★ Compact little bright green plant, becomes a mass of white flowers in June. 6 to 8 in.

2A 4270 **Sempervirens, Snowflake**. ★ A strong variety with green leaves and snow-white flowers in May. 1 to 1½ ft.

LAVANDULA. *English Lavender*. Old-fashioned, fragrant plants with wiry spikes of lavender-blue flowers much used in the making of sachets.

5A 4272 **Dentata**. Fine green foliage with serrated edges. The plant has a compact habit; in flower all summer and fall.

5A 4273 **Munstead Strain**. A taller-growing variety with gray-green foliage. 2 to 2½ ft. June.

LIATRIS. *Blazing Star; Gayfeather*. These showy plants all have grassy leaves and extremely bold spikes of flowers.

5A 4277 **Pycnostachya**. A most attractive perennial with long spikes of rich purple flowers. 4 ft. Sept.

5A 4278 **Scariosa alba**. A splendid variety with very heavy spikes of snow-white flowers produced in September. 5 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4279 **Scariosa, September Glory**. A new veritable giant, growing up to 7 feet. The flower-spikes are rich purple, and in late September make a marvelous display. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

LINUM. *Flax*.

5A 4274 **Flavum**. Compact; rich yellow flowers. Of comparatively easy culture. 15 to 18 in. Blooms all summer.

5A 4275 **Perenne**. Old-fashioned border plant. The foliage is light and graceful, and its bright blue flowers rest on the plant like blue butterflies. Blooms from June until autumn.

5A 4276 **LOBELIA cardinalis**. *Cardinal Flower; Indian Paint Brush*. A lovely plant, ideal for semi-shady locations or near the water's edge and a gem for naturalizing. Brilliant scarlet flowers. 3 to 4 ft.

5A 4285 Russell Lupines

Fine hybrid Lupines from England. Wonderful plants bear tremendous spikes in colors and combinations never seen before, the fruit of years of effort. 3 to 5 ft. June, July. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PRICES, unless otherwise noted, \$1.35 for 3, 55 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★Dwarf plants for the Rock-Garden and edging the Perennial Border

Lupinus polyphyllus • Lupine

Handsome perennial with palmate foliage and long spikes of brilliantly colored pea-shaped flowers in June and July. Likes partly shaded, well-drained spots with soil that is not too rich and free from lime.

5A 4280 **Blue Shades**

5A 4281 **Rose Shades**

5A 4282 **Red Shades**

5A 4283 **Pure White**

5A 4284 **Mixed Shades**

LYCHNIS. *Rose Campion; Catchfly*. A handsome plant of easy culture in any garden soil. Likes a sunny situation; excellent for beds or perennial borders.

5A 4286 **Chalcedonica**. Striking heads of scarlet in June and July. 3 to 4 ft.

5A 4287 **Viscaria splendens fl.-pl.** ★ Plant makes a tuft of grassy foliage from which arise stiff stems, smothered with large, double, and extremely beautiful rose-pink flowers in great profusion. 15 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4288 **LYTHRUM, Red Beacon**. *Loosestrife*. An improvement on the Purple Loosestrife. Tall cerise-pink spikes. 3 ft. Aug.-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4290 **MATRICARIA inodora plenissima**. *Chamomile; Feverfew*. A double white variety with attractive ferny foliage and abundant flowers. June, July. 2 ft.

5A 4291 **MAZUS reptans**. ★ Beautiful carpeting habit, fine for the rock-garden, especially in the crevices of walks and steps. It grows ½ inch high, and in spring is smothered with lilac flowers.

MONARDA. *Bee-Balm; Oswego Tea; Bergamot*. Old-fashioned plants of easy culture anywhere. Highly aromatic leaves and pretty spikes of flowers.

5A 4292 **Didyma rubra**. Bright red flowers in July. 2½ ft.

5A 4293 **Didyma, Salmon**. A salmon-flowered variety. 2½ ft. July.

Myosotis • Forget-me-not

5A 4294 **Palustris semperflorens**. ★ Creeping habit; flowers from June until September. The florets are of a beautiful clear pale blue with small yellow eyes. 6 in.

NEPETA. *Ground Ivy*. Old-fashioned plants of easy culture in the poorest of soils. They should be cut back after flowering, which will produce a very compact plant.

5A 4297 **Mussini**. ★ Masses of large blue flowers in June. 9 in.

Oenothera • Evening Primrose; Sundrop

* Striking plants for a sunny location. Flowers open late in the day and close next morning.

5A 4299 **Glaucia Fraseria**. ★ Golden yellow cups in July and August. 1 to 1½ ft.

5A 4300 **Illumination**. ★ *Novelty*. Long salmon-pink buds and golden yellow 1½-inch flowers. June to fall. 1½ to 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4302 **PACHYSANDRA terminalis**. *Oriental Spurge*. Fine ground-cover for shade or semi-shade. Bright glossy green foliage. For quick results, plant 9 inches apart. Height 6 to 9 in. Plants from 3-in. pots, \$2.50 per doz., \$17.50 per 100, \$150 per 1000.

GROUND-COVERS are invaluable for under trees, where grass cannot grow, to form a carpet amid shrubbery or for bordering walks and drives.

Some good ones include Pachysandra, offered above, also English Ivy, Euonymus, Vinca, Chrysogonum and Thymus for sunny spots. Please consult Index.

Peonies

They require a deep rich soil and should be planted so that the eyes are about 1 inch beneath the surface. To each root we recommend a 4-inch pot of bonemeal at planting-time, which should be well mixed in the soil about the roots. If planted in the fall, we recommend also a blanket of manure or Mulch-o-Nure the first winter. Our plants are all 2 or more years old.

WHITE SHADES, DOUBLE.

5A 4306 **Baroness Schroeder**. Large, tinted with delicate light pink; fragrant. \$2 each, \$5.75 for 3, \$22 per doz.

5A 4307 **Festiva maxima**. Large flowers with feathered petals and crimson flecks in the center. \$1.25 each, \$3.50 for 3, \$13 per doz.

5A 4308 **Kelway's Glorious**. Very full flowers of enormous size; sweetly scented. \$3.50 each, \$10 for 3, \$38.50 per doz.

5A 4309 **Solange**. Broad petals suffused with reddish gold. Late midseason. \$2.50 each, \$7.25 for 3, \$27.50 per doz.

RED SHADES, DOUBLE.

5A 4310 **Felix Crouse**. Brilliant red flowers, large, compact, and globular. \$1.25 each, \$3.50 for 3, \$13 per doz.

5A 4311 **Karl Rosenfield**. Very fine rich blood-crimson flower. Strong grower. Free flowering; early. \$1.50 each, \$4 for 3, \$15 per doz.

5A 4312 **Philippe Rivoire**. Early-flowering dark crimson; rich rose scent. \$2.50 each, \$7.25 for 3, \$27.50 per doz.



Myosotis



Pachysandra



Monarda



Nepeta



Lupines

Hardy Plants

to Bloom Year after Year

MICHAELMAS DAISIES

Hardy Asters

These make the Hardy Border a riot of color every September and October. Or you may plant them in open woodland to give a charming natural effect. They are not particular as to soil, but will do their best in a sandy loam; do not plant closer than 18 inches.

Varieties shown here are among the best, and a listing of a dozen other fine sorts will be found on page 72.



5A 4019. **HARDY ASTER**, Harrington's Perfected Pink.
55 cts. each, \$1.50 for 3, \$5.50 per doz.

Super-Spurred Colossal COLUMBINES

5A4006

Gigantic blooms, 5 to 6 inches across, with 4-inch spurs. Mixed colors. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

CHARMING FALL ANEMONES

They make the border brilliant from early September until late October.

5A 3989. **Hupehensis**. Rose-mauve.

5A 3990. **Margarete**. Dark pink.

5A 3991. **Marie Manchart**. Semi-double-white.

5A 3993. **September Charm**. Rosy pink.
(Not illustrated.)

5A 3994. **September Queen**. Rose-red.

5A 3996. **Whirlwind**. Double white.

Our selection, any of these varieties,
55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS:

5A 3997. 6 plants, 1 each of the above, \$3.

5A 3998. 18 plants, 3 each of the above, \$7.50

5A 4030. **HARDY ASTER**, Frikarti

August - blooming
Michaelmas Daisy with
large, blue, yellow-
centered flowers. A fine
perennial. 2 ft.

55 cts. each, \$1.50
for 3, \$5.50 per doz.



5A 4024. **HARDY ASTER**, Mount Everest.
\$1.35 for 3, \$5 per doz., \$35 per 100



FALL ANEMONES



5A 4025. **HARDY ASTER**, Queen Mary.
\$1.35 for 3, \$5 per doz., \$35 per 100



Super-Spurred Colossal COLUMBINE

Sensational MUMS

SUPER-HARDY RACE—EARLY. New double and semi-double kinds that start to flower in August to glorify the garden until heavy frost.

5A 4068. Redwing (1) 1½ ft.	5A 4073. Dean Kay (5) 2¼ ft.	5A 4071. Butterball (9) 1½ ft.
5A 4067. Pipestone (2) 1½ ft.	5A 4076. My Lady (6) 2 ft.	5A 4077. Harmony (10) 1½ ft.
5A 4069. Sunred (3) 2 ft.	5A 4072. Chippewa (7) 2 ft.	5A 4074. Dean Ladd (11) 2½ ft.
5A 4070. Waterlily (4) 1½ ft.	5A 4075. Glacier (8) 2 ft.	5A 4078. Welcome (12) 2 ft.

Your selection, any of these varieties, 60 cts. each, \$1.75 for 3, \$6.75 per doz.

COLLECTIONS: 5A 4079. 12 plants, one each of above... \$7
5A 4080. 36 plants, three each of above. \$20



SOIL for Chrysanthemums should drain well and be near-neutral, pH 6.5. Work under rotted manure or Sawconure, and General Garden Fertilizer. Cover over winter with a light blanket of leaves or Mulch-o-Nure placed after killing frost, first pruning off top-growth.

TWO RECOMMENDED BOOKS ARE:

10A 8443. **Hardy Chrysanthemums.** Alex Cumming. Selection and culture for best garden effects. 198 pages. 44 illustrations. \$2.50.

10A 8444. **Garden and Greenhouse Chrysanthemums.** Laurie & Kiplinger. Brings together most up-to-date practices on culture in greenhouse and garden. 124 pages. 33 illustrations. \$2.50.

Include one or both in your order.



5A 4129. **DIANTHUS, New Blue.**
The only blue Sweet William.
55 cts. each, \$1.50 for 3, \$5.50 per doz.

June-Blooming BEARDED IRIS

Over 20 gorgeous sorts to select from on page 75. \$1.35 for 3, \$5 per doz., \$35 per 100.

COLLECTIONS:

5A 4210. 12 plants, one each, our selection of choice kinds, \$5.

5A 4232. 36 plants, three each, \$14.50.



Pacific Hybrid ← DELPHINIUMS

Enormous flowers in five separate color groups: 5A 4116, Blue; 5A 4117, Violet; 5A 4118, Lavender-Pink; 5A 4119, Light Blue; 5A 4120, White. Your selection, 75 cts. each, \$2.15 for 3, \$8.25 per doz.

COLLECTIONS:

5A 4121. 5 plants, one each, \$3.50.

5A 4122. 15 plants, three each, \$10.

PERENNIALS *for Spring and Summer Flowers*



Glorious Double PEONIES 5A 4317, White; 5A 4318, Red; 5A 4319, Pink; 5A 4320, Mixed. Your selection, \$1 each, \$2.50 for 3, \$8.50 per doz., \$67.50 per 100.



Brilliant PHLOX Modern kinds described on page 81. 55 cts. each, \$1.50 for 3, \$5.50 per doz.
5A 4343. COLLECTION: 9 plants, all different, each named, \$4.75; 27 plants, 3 each, \$13; 108 plants, 12 each, \$45.



LAVENDER QUEEN STOKESIA

MORE *Hardy* PERENNIALS

One of the nice things about perennials is their ability to very largely fend for themselves, rewarding the gardener, each at its appointed season, with a glorious, colorful display in return for a minimum of care. Ours are a particularly self-sufficient breed, having been raised in our nurseries at Farmingdale, Long Island, where the year-round climate is such as to discourage any but the hardiest plants.

So set out Stumpp & Walter Co.'s perennial plants with every confidence that "neither sun nor rain," nor any other climatic condition can discourage their capacity for strength and beauty.



PRIMULA DENTICULATA

5A 4401 **Lavender Queen STOKESIA**

Flowers are often 5 inches across on 1½-foot stems. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4366 **PRIMULA DENTICULATA**

One foot high; flowers in April, May. 55 cts. each, \$1.50 for 3, \$5.50 per doz.



RED-HOT POKER

5A 4413 **Tritoma Pfitzeri**

Easily grown anywhere in full sun. From strong, grass-like foliage arise spikes of flowers from July to September. \$1.35 for 3, \$5 per doz., \$35 per 100.

THREE GORGEOUS POPPIES

These will dominate your garden in June and July.

Six-inch diameter flowers.

5A 4350. **GRAND MOGUL**. Shown at upper left. Flaming red.

5A 4353. **PINK LASSIE**. Shown at upper right. Glowing rose-pink.

5A 4352. **PERRY'S WHITE**. Shown at bottom. Pure satiny white.

65 cts. each, \$1.90 for 3, \$7.25 per doz.

5A 4356 **COLLECTIONS:**

3 plants, one each \$1.90
9 plants, three each \$5.35
18 plants, six each \$10



PEONIES, continued

PINK SHADES, DOUBLE.

5A 4314 **Germaine Bigot.** New. Beautiful double light pink. The enormous flowers are sweetly scented. \$3.50 each, \$10 for 3, \$38.50 per doz.

5A 4313 **Katherine Havemeyer.** Large, fully double flowers of apple-blossom-pink; sweetly fragrant. Very early. \$2.50 each, \$7.25 for 3, \$27.50 per doz.

5A 4315 **Mme. Ducl.** Sparkling pink with silver tones. True globe-shaped flower on a strong-growing plant. Midseason. \$2 each, \$5.75 for 3, \$22 per doz.

YELLOW SHADES, DOUBLE.

5A 4316 **Primevere.** Sulphur-yellow center and creamy guard petals. Midseason. \$3.50 each, \$10 for 3, \$38.50 per doz.

DOUBLE PEONIES TO COLOR. 5A 4317 **White,** 5A 4318 **Red,** 5A 4319 **Pink** and, 5A 4320 **Mixed.** \$1 each, \$2.50 for 3, \$8.50 per doz., \$67.50 per 100.

SINGLE AND ORIENTAL PEONIES.

These beautiful Peonies, while not so well known, are of great merit. In the center of the wide-open flowers, stamens are often turned to modified petals.

5A 4322 **Cathedral.** (Oriental.) Dark rose, pink outer petals, with a center of pale pink petaloids.

5A 4323 **Constance.** (Oriental.) Pink with bright yellow center.

5A 4324 **White Mountain.** (Oriental.) Snow-white with a central cluster of yellow petaloids.

5A 4325 **Sunkist.** (Oriental.) A striking carmine with vivid orange-pink petaloids.

5A 4326 **Nymph.** (Single.) Large flesh-colored petals with a central tuft of golden stamens.

5A 4327 **Purity.** (Oriental.) A pure white variety with narrow white central petals shaded yellow.

Above 6, \$1.50 each, \$4.25 for 3, \$16.50 per doz.

Pentstemon

Beard-Tongue

Give them a sunny position in well-enriched soil, and they will glorify your garden for years.

5A 4303 **Firebird.** Flowers are a fine rich scarlet. In bloom all summer and fall. 2 ft. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4304 **Garnet.** Large, gloxinia-like, deep red flowers. Fine for cutting all summer. 18 in. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

PHLOX decussata

Hardy Garden Phlox

These beautiful plants are the mainstay of the garden in July and August. There are hundreds of varieties available today; the selection here includes the finest, and none choicer are obtainable.

5A 4334 **Chesapeake.** Patent applied for. Grows only 15 inches high, bearing large heads of flowers, tyrian rose in color, with a silvery white reverse. Florets are 1½ inches across, and long lasting. Compact, dark green plants, especially valuable in midsummer. Fine in the rock-garden. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

5A 4335 **A. L. Schlageter.** Scarlet-red. Midseason and very good. 2½ ft.

5A 4336 **Catherine.** Soft lavender, with no trace of magenta. Absolutely the best in its color-range. Midseason. 2½ to 3 ft.

5A 4337 **Daily Sketch.** Salmon-pink; large flowers. Midseason. 2½ ft.

5A 4338 **Eva Foerster.** Salmon-pink, with light eye. Extremely large. Late. 2 ft.

5A 4339 **Flash.** Cherry-carmine. Very striking and distinct. Midseason. 2 ft.

5A 4340 **Mary Louise.** The best white Phlox. Perfect in every way. Late. 2½ ft.

5A 4341 **Orange Beauty.** Orange-red. Late. 2½ ft.

5A 4342 **Prime Minister.** White with red eye. Midseason. 2 ft.

Any of above 8 varieties, 55 cts. each, \$1.50 for 3, \$5.50 per doz.

COLLECTIONS

5A 4343 **9 plants, 1 each above varieties, \$4.75**
5A 4344 **27 plants, 3 each, \$13**
5A 4345 **108 plants, 12 each, \$45**

5A 4346 **PHLOX suffruticosa, Miss Lingard.** Flowers in June and continues on through summer. Large; white. 2½ ft.

5A 4347 **PHLOX divaricata Laphami.** ★ Trusses of large, fragrant, lavender-blue blooms in May. 9 in.

PHLOX subulata. Ground Pink; Flowering Moss; Moss Pink; Mountain Pink. ★ These well-known plants, with pretty moss-like evergreen foliage, are most suitable for clothing banks, and for all situations in the rock-garden. All are May-flowering. 3 to 6 in.

5A 4329 **Alba.** Pure white.

5A 4330 **G. F. Wilson.** Mauve.

5A 4331 **Rubra.** Crimson.

5A 4332 **Vivid.** Deep pink.

PHYSOSTEGIA. False Dragonhead.

5A 4362 **Summer Snow.** Novelty. A fine, new, pure white type of our well-liked native perennial. An excellent border plant, effective from midsummer to fall. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

5A 4360 **Dwarf Vivid.** Rosy red blooms that last well as cut-flowers. 2 ft. July.

5A 4361 **Virginiana.** Large clumps and long spikes of tubular pink flowers. 3½ ft. July.

ORIENTAL POPPIES

Papaver orientale

Their striking foliage and glowing flowers are most effective for grouping with other perennials where a vivid splash of color is required in June and July. We offer pot-grown plants which can be moved at any time; these are grown from cuttings.

5A 4349 **Cerise Bedder.** Rich sparkling cerise flowers 4 to 6 inches across with two rows of petals. Fine for cutting.

*5A 4350 **Grand Mogul.** Crimson-scarlet flowers, 4 to 6 inches in diameter. 2½ ft.

5A 4351 **Little Shrimp.** ★ A miniature variety. Small, pale pink flowers in profusion. Good for rock-gardens. 1 ft.

*5A 4352 **Perry's White.** Immense flowers of a pure satiny white with a crimson-mauve blush at the base of the petals. 3 ft.

*5A 4353 **Pink Lassie.** Pale pink; large.

5A 4354 **Purity.** Soft shell-pink, with no spots or markings. Very fine.

5A 4355 **Seashell.** Light pink; delicate texture.

All above Oriental Poppies, 65 cts. each, \$1.90 for 3, \$7.25 per doz.

COLLECTIONS

5A 4356A **3 plants, 1 each variety marked *, \$1.90**
5A 4356B **9 plants, 3 each, \$5.35**
5A 4356C **18 plants, 6 each, \$10**

PLATYCODON. Balloon Flower; Bellflower. Cup-shaped, 2-inch flowers through summer and autumn.

5A 4357 **Grandiflorum.** Large; steel-blue. 1½ ft.

5A 4358 **Grandiflorum album.** White with pale blue tinge. 2 to 2½ ft.

5A 4363 **PLUMBAGO Larpentae.** Leadwort. ★ Dwarf plant which develops a mound, smothered with sky-blue flowers in Sept. and Oct. 6 to 9 in.

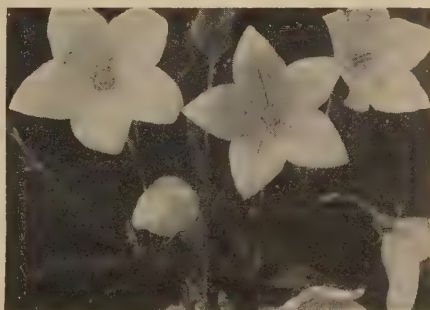
5A 4364 **POLEMONIUM reptans, Royal Blue.** Jacob's Ladder. ★ Pretty foliage of delicate texture, with airy spikes of bright blue flowers. 1 ft. June.

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Phlox subulata



Platycodon grandiflorum



Pentstemon



A mixed planting of Hardy Primulas assures a brilliant show in early summer.

PRIMULA • Primrose

★ For the rock and alpine garden, around the pool, for the semi-shady garden, for brightening up woodland walks, dells, or any place where the plants will be cool at the roots.

5A 4365 **Elatior, Mixed.** The choice flowers are borne in clusters on stout stems. All colors and shades. 6 to 9 in.

5A 4366 **Denticulata.** Long foliage and globular heads of lavender flowers. One of the prettiest of Primulas. 1 ft. April, May.

5A 4367 **Japonica, S. & W. Co.'s Strain.** Candelabra habit, very vigorous in growth. Handsome crinkly foliage and tall spikes of flowers in whorls. White, pink, copper-red and crimson, mixed. 2 ft. June, July.

5A 4368 **Officinalis.** The real old English Cowslip in mixed colors. 1 ft. May.

5A 4369 **Wanda.** A mat-forming Primula with dark green foliage and a profusion of rich purple flowers with golden eyes, on 3-inch stems. 4 in. May.

All Primulas, 55 cts. each, \$1.50 for 3, \$5.50 per doz.



Rudbeckia, The King

PYRETHRUM. Painted Lady. Grand border plants of the Daisy family. They all flower in June and July. 2 to 2½ ft.

5A 4371 **Single, Mixed.** Reds, whites, and pinks, with yellow centers. Very vigorous.

5A 4372 **Red Pigmy. Novelty.** A small plant that makes an excellent subject for the front of the border. Ten inches high at most, the blooms are a dark red. 75 cts. each, \$2.15 for 3, \$8.25 per doz.

RUDBECKIA. Coneflower. Bright border plants of easy culture in any garden soil.

5A 4375 **Golden Glow.** Rich double yellow flowers, good for cutting. 5 to 6 ft. Aug.

5A 4376 **Purpurea.** A striking flower of purple color with a brown cone-shaped center. 3 to 4 ft. July-Oct.

5A 4377 **The King.** Deep crimson flowers. 3 ft. July-Oct. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SALVIA

Meadow-Sage; Clary

5A 4379 **Azurea grandiflora.** A fine plant of branching habit, smothered with gentian-blue flowers in late summer and autumn. 4 ft. high; 2 to 3 ft. across.

5A 4380 **Farinacea.** Spikes of powder-blue flowers. 2 to 2½ ft. July-Sept.

5A 4381 **Farinacea alba.** A white form of the above. If both are planted together a charming combination is obtained.

SANTOLINA. Lavender Cotton; Ground Cypress. ★ Dwarf sub-shrubs which hold their leaves in winter. They are excellent for edgings or for the rock-garden, and can be clipped every year. The foliage is most attractive and very aromatic.

5A 4382 **Incana.** Very compact, with beautiful silvery gray foliage with the appearance of bunched coral. Yellow flowers in July. 6 to 9 in.

5A 4383 **Viridis.** A bright-green-foliaged variety. White flowers in July. 1 ft.

SCABIOSA

Scabious; Pincushion Flower

A fine perennial needing a rich soil which is slightly alkaline. Large flowers borne on long, wiry stems make it fine for cutting.

5A 4384 **Caucasica, Giant Hybrids, Mixed (Isaac House Strain).** Striking plant for every hardy border. Delicate lilac and mauve predominate, but pure white and even dark blues often occur. 2 ft. July-Sept. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SEDUM • Stonecrop

Foundation of many early rock-gardens, and no rock-garden today is complete without some of the species mentioned.

5A 4386 **Acre.** ★ Green foliage. Bright yellow flowers. 3 in. June.

5A 4387 **Lydiium.** ★ Pink. 2 in. June.

5A 4388 **Middendorffianum.** ★ Excellent matting variety, 4 inches high; yellow flowers. Beautiful reddish purple foliage in autumn.

5A 4389 **Sieboldi.** ★ Rose-pink. 9 in. Aug.

5A 4390 **Spectabile.** A very pretty erect-growing species 18 inches high, with light green, fleshy foliage and large heads of pink flowers. Sept., Oct.

SEMPERVIVUM. Houseleek; Live Forever.

★ Evergreen succulents resembling Sedums. The leaves are often brightly colored at the base; some are covered with a white cobwebby substance.

5A 4392 **Mixed Seedlings.** Choice selection of all shapes and sizes. 3 to 4 in. high.

SILENE. Catchfly; Campion.

5A 4394 **Schafta.** ★ One of the best autumn-flowering rock-plants. It blooms in October when flowers are scarce in the rockery. A compact plant with bright rose-pink flowers. 6 in.

SPIRAEA

Goat's Beard; Meadowsweet

Suitable for borders, damp situations, and water plantings. June.

5A 4395 **Filipendula alba.** Finely cut foliage. Creamy white flowers. 2 ft.

5A 4396 **Palmata elegans.** A light pink. 3 ft.

5A 4397 **Ulmaria fl.-pl.** Well-known double Meadowsweet, with a profusion of creamy white flowers. 3 ft.

5A 4401 **STOKESIA, Lavender Queen.**

Stokes' Aster. From basal leaves arise flower-stems 18 to 20 inches long. Heads are often 5 inches across, of a silvery blue color with a lilac suffusion at the center. 55 cts. each, \$1.50 for 3, \$5.50 per doz.

SWEET WILLIAM

Dianthus barbatus

These brilliantly colored old-fashioned garden plants are as indispensable today as ever. They give a wealth of bloom in June.

5A 4398 **Auricula-eyed.** Chiefly reds and pinks; all have a pronounced white eye. 1½ ft.

5A 4399 **Pink Beauty.** A sparkling crushed strawberry-pink.

5A 4400 **Scarlet Beauty.** A vivid scarlet. Very choice and effective. 1½ ft.

THALICTRUM. Meadow Rue. Extremely graceful foliage not unlike a maidenhair fern, and dainty flowers in profusion.

5A 4404 **Aquilegifolium.** As its name implies, it has foliage like a columbine, with rich purple-mauve flowers. 3 ft. June.

5A 4405 **Glaucum.** This we recommend especially as it has blue-green foliage, finely divided, and heads of sulphur-yellow, fluffy flowers. 4 ft. July.

5A 4406 **Lavender Mist.** Foliage similar to maidenhair fern; large, loose panicles of lavender flowers. 4 ft. Midsummer. 75 cts. each, \$2.15 for 3, \$8.25 per doz.



Sedum acre

PRICES, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100. Purchaser pays transportation beyond 50 miles of N. Y.

★ Dwarf plants for the Rock-Garden and edging the Perennial Border



Tritoma Pfizeri

- 5A 4403 **TEUCRIUM Chamaedrys.** *Germander.* ★ A dwarf sub-shrub with glossy green foliage and bright rose flowers, for edging borders and paths. 1 ft. Aug.
- 5A 4407 **THERMOPSIS caroliniana.** Striking plant, 5 feet high, with large, yellow, pea-shaped flowers in July.

THYMUS • Thyme

★ These charming, fragrant plants are mostly of dwarf, spreading habit and are unexcelled for dry, sunny banks where grass is difficult to establish, and for various positions in the rock-garden. When planted in the crevices of walks, they give off a fragrant aroma when walked on, and are a sheet of blossoms in June and July.

- 5A 4408 **Lanuginosus.** Mauve flowers and gray, woolly leaves. 2 in. June.
- 5A 4409 **Serpyllum.** *Mother of Thyme; Creeping Thyme.* The wild Mountain Thyme of creeping habit, with rosy purple flowers. 2 in. June.
- 5A 4410 **Serpyllum albus.** Decidedly miniature foliage of light bright green with pure white flowers. 1 in. June.
- 5A 4411 **Serpyllum coccineus.** Very dark reddish green foliage, making a perfect mat like the above, but with brilliant crimson flowers. 1 to 2 in. June.

See also *Herbs* on page 27.

TRITOMA

Torch Lily; Flame Flower; Red-Hot Poker

Easily grown anywhere, in full sun. They have strong grass-like foliage from which arise spikes of flowers from July to September.

- 5A 4413 **Pfizeri.** *Everblooming Tritoma.* Bright orange-scarlet flowers with salmon-rose edges. Fine for cutting. 3 ft.
- 5A 4414 **S. & W. Hybrids.** A grand mixture of yellows, flame-reds, burnt-orange, etc.



Veronica longifolia subsessilis

VERBENA • Vervain

Give an open, sunny exposure. Protect with a covering of leaves over winter.

- 5A 4416 **Bonariensis.** Lavender-rose sprays on long, wiry stems. June-Oct. 4 to 5 ft.
- 5A 4417 **Maonetti.** ★ Pink and white striped flowers on a trailing plant. Blooms all summer. 6 in.

VERONICA • Speedwell

Free-flowering plants, for the rock-garden and border.

- 5A 4418 **Incana nana.** ★ A compact plant with beautiful silvery foliage and spikes of brilliant blue flowers. 6 to 9 in. July, Aug.
- 5A 4419 **Incana rosea.** Pink flowers.
- 5A 4420 **Longifolia subsessilis.** Long spikes of deepest blue. 2 to 3 ft. July.
- 5A 4421 **Spicata.** Border plant with spikes of blue flowers from July to September. 2 ft.

VINCA

Periwinkle; Old Maid; Myrtle ★

Grand ground-covers for shade.

- 5A 4422 **Minor alba.** White flowers; dark foliage.
- 5A 4423 **Minor, Bowles Variety.** A greatly improved form. Always in bloom, the flowers being very large and clear blue.

Above Vincas, 3 for \$1, \$3.50 per doz., \$25 per 100, \$225 per 1000



Vinca (Periwinkle)



Yucca filamentosa

VIOLA odorata Sweet Violet

★ The Violets listed below are splendid for cutting. The double Violets should be afforded some protection in winter.

- 5A 4425 **Royal Robe.** Deepest violet-blue; deliciously large, flat; single blooms. \$1.50 for 3, \$5.50 per doz., \$40 per 100.
- 5A 4426 **Frey's Fragrant.** Single. Flowers $\frac{1}{2}$ to $\frac{3}{4}$ inch in diameter. Rich deep purple. Blooms in April and again in the fall.
- 5A 4427 **Rosina.** Single, very fragrant flowers of dark rose-pink.
- 5A 4428 **Russian Single.** Produces great masses of fine large deep purple flowers.
- 5A 4429 **Snow Queen.** Dozens of large white Violets on long stems. Spring flowering.

VIOLA cornuta • Tufted Pansies

★ These flower all spring and early summer. Cut them back in August, and they bloom again in autumn. They like a cool, well-drained soil and plenty of sun; a mulch of peat moss is beneficial during hot weather.

- 5A 4431 **Jersey Gem.** The rich violet-hued flowers are like pansies but smaller. However, they are perennial and very sweetly scented. Plant them in rock-gardens, borders, and paths. 6 to 9 in. May until fall.
- 5A 4432 **Arkwright Ruby.** Ruby-red.
- 5A 4433 **Blue Perfection.** Blue.
- 5A 4434 **Chantryland.** Apricot.
- 5A 4435 **White Perfection.** White.
- 5A 4436 **Yellow Queen.** Yellow.

Above Violas, \$1.35 for 3, \$5 per doz., \$35 per 100

COLLECTIONS

- 5A 4437 6 plants, 1 each of above, \$2.50
- 5A 4438 18 plants, 3 each of above, \$7.25

- 5A 4439 **YUCCA filamentosa.** *Adam's Needle.* Spikes evergreen foliage with creamy white flowers on 6-foot stems. Requires full sun and a calcareous soil. Fine for tubs and terraces and for planting in positions where boldness is required.

PRICES of Hardy Perennial Plants, unless otherwise noted, \$1.35 for 3, \$5 per doz., \$35 per 100

★ Dwarf plants for the Rock-Garden and edging the Perennial Border

A BORDER OF OLD-FASHIONED FLOWERS

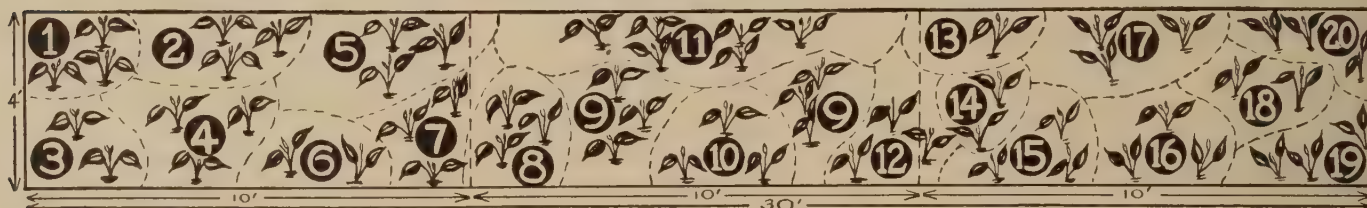
This 40-Plant Assortment will make gay an area of 80 square feet



Varieties that were favorites when America was young; plant them to make an old-time border measuring 20 feet long and about 4 feet wide. As indicated, you place Hollyhocks, Phlox and Delphinium at the back; Shasta Daisies and Sweet William in the middle distance; Canterbury Bells, Gaillardia and Pinks in front. For sunny and partly sunny spots. Many of them are fragrant.

	Key		Key
6 Hollyhocks, Superb Mixed.....	A	6 Gaillardia.....	E
3 Delphinium, Gold Medal Hybrids.....	B	6 Shasta Daisies.....	F
6 Canterbury Bells, Mixed.....	C	3 Phlox, Tall Mixed.....	G
6 Sweet Williams, Mixed.....	D	4 Pinks (Dianthus).....	H

Assortment 5A 3975A: 40 Plants, Value \$17.30 \$15.50



FILL THIS 30 BY 4-FOOT PERENNIAL BORDER WITH A COLLECTION OF SIXTY PLANTS (Twenty distinct varieties)

It occupies 120 square feet, but the plan may be adapted easily to fit any space that is similar in area but of different dimensions (say 24 x 5, 20 x 6 or 15 x 8 feet). And it need not be a rectangle—an ell or a curve would be equally pleasing.

A Cutting Garden

	Key
3 Aster, Queen Mary.....	1
3 Iris, Pioneer.....	2
2 Lavandula, Munstead Strain.....	3
3 Gaillardia, S. & W. Hybrids.....	4
3 Hemerocallis, D. D. Wyman.....	5
2 Anemone, September Charm.....	6
3 Chrysanthemum, Kristina.....	7
3 Stokesia lilacina.....	8
6 Dianthus, Beatrix.....	9
3 Coreopsis, Perry's Variety.....	10
6 Delphinium, Pacific.....	11
3 Verbena bonariensis.....	12
1 Artemisia, Silver King.....	13
2 Heliopsis incomparabilis.....	14
3 Scabiosa, Isaac House Strain.....	15
3 Doronicum excelsum.....	16
3 Tritoma, S. & W. Hybrids.....	17
2 Campanula, Telham Beauty.....	18
3 Chrysanthemum, Esther Reed.....	19
3 Helianthus, Soleil d'Or.....	20

60 Plants COLLECTION 5A 3975B Value, \$28.50 \$25.50

For Full Sun

	Key
3 Aster, Red Cloud.....	1
3 Iris, Wedgwood.....	2
2 Veronica spicata.....	3
3 Gypsophila repens.....	4
3 Phlox, Eva Foerster.....	5
2 Aquilegia, Yellow.....	6
3 Dianthus, Beatrix.....	7
3 Lychnis Viscaria.....	8
6 Aster, Little Boy Blue.....	9
3 Heliopsis incomparabilis.....	10
6 Delphinium, Pacific.....	11
3 Aquilegia, Rose and Pink Shades.....	12
1 Rudbeckia purpurea.....	13
2 Coreopsis, Perry's Variety.....	14
3 Geum, Princess Juliana.....	15
3 Delphinium, Belladonna.....	16
3 Tritoma, S. & W. Hybrids.....	17
2 Chrysanthemum, Esther Reed.....	18
3 Armeria, Farmingdale Giants.....	19
3 Chrysanthemum, Korean.....	20

60 Plants COLLECTION 5A 3975C Value, \$28.45 \$25.50

For Partial Shade

	Key
3 Aster, Violette.....	1
3 Iris, Indian Chief.....	2
2 Funkia fortunei.....	3
3 Phlox, A. L. Schlageter.....	4
3 Liatris scariosa alba.....	5
2 Primula officinalis.....	6
3 Plumbago Larpenae.....	7
3 Anemone, September Charm.....	8
6 Ajuga multicolor.....	9
3 Dicentra eximia.....	10
6 Digitalis, Giant Shirley.....	11
3 Aster, Palmyra.....	12
1 Dicentra spectabilis.....	13
2 Coreopsis, Perry's Variety.....	14
3 Primula japonica.....	15
3 Aster, Little Boy Blue.....	16
3 Hemerocallis Goldeni.....	17
2 Iris, Alta California.....	18
3 Nepeta Mussini.....	19
3 Veronica, Spicata Blue.....	20

60 Plants COLLECTION 5A 3975D Value, \$27.75 \$25.50

Any two Collections, \$49.50; all three Collections, \$72.50

WATER-LILIES and POND PLANTS

Hardy Water-Lilies (Nymphaeas) (April 10 shipment)

For ponds, lakes, or in still pools along a stream. Plant in about 2 feet of water. Once established, they become a source of permanent beauty.

- 5A 3652 **Attraction**. Immense flowers, produced freely, and bright red in color. \$3 each.
- 5A 3653 **Aurora**. Flowers open amber-yellow, changing to orange-red on the second day and to deep red on the third. \$2 each.
- 5A 3654 **Comanche**. Large flowers of deep rich apricot with glowing red markings deepening to copper-orange. \$3 each.
- 5A 3655 **Gladstone**. Large, pure white, globular flowers. \$2.25 each.
- 5A 3656 **Gloriosa**. Beautiful clear red, deepening to dark red. \$3.25 each.
- 5A 3657 **H. B. Shaw**. Shell-pink and very fragrant. Blooms continuously. \$1.50 each.
- 5A 3658 **Helen Fowler**. Deep pink flowers. Suitable for growing in a tub. \$1.75 each.
- 5A 3659 **Marliac Rose**. Fragrant, cup-shaped flowers, deep rose in color. \$2.50 each.
- 5A 3660 **Marliac White**. Waxy white flowers, with bright yellow stamens. \$1.75 each.
- 5A 3661 **Marliac Yellow**. Bright chrome-yellow flowers. \$2.25 each.
- 5A 3662 **Pink Opal**. Full-petaled, cup-shaped flowers of a deep rich pink. \$1.25 each.
- 5A 3663 **Rose Aray**. Large, pink, fragrant, with long-pointed petals. \$2.50 each.
- 5A 3664 **Sunrise**. Splendid early yellow; blooms 8 to 10 inches across. \$3.25 each.

Tropical Water-Lilies (June 1 shipment)

These are of two distinct types: the Day-bloomers, whose flowers open with the sun and close at evening, and the Night-bloomers, whose flowers open in the afternoon and remain open until late the following morning. On cloudy days the latter sometimes remain open throughout the twenty-four hours. All are most beautiful.

Day-Blooming Sorts

- 5A 3666 **August Koch**. Pale wisteria-violet. Excellent variety. \$2.75 each.
- 5A 3667 **Blue Beauty**. Deep blue flowers, 10 to 12 inches across. \$2.50 each.
- 5A 3668 **Cerulea**. The original blue Lotus of the Nile. Fragrant. \$1.75 each.
- 5A 3669 **Colonel Lindbergh**. Enormous deep sky-blue flowers. \$2.50 each.
- 5A 3670 **Dauben**. Very fragrant, light blue. Recommended for tub-gardening. \$2 each.
- 5A 3671 **General Pershing**. Broad, chalice-shaped flowers of a clear pink. \$2.75 each.
- 5A 3672 **Mrs. C. W. Ward**. Deep rose-pink flowers, 8 to 10 inches across. \$2.50 each.
- 5A 3673 **Mrs. E. Whitaker**. Flowers 10 to 12 inches across, pale blue. One of the best hybrids. \$2.50 each.
- 5A 3674 **Mrs. George H. Pring**. Best pure white; large; fragrant. \$2.25 each.
- 5A 3675 **Zanzibariensis** (African Purple Lily). Fragrant, 6 to 8 inch blooms. \$2 each.
- 5A 3676 **Zanzibariensis rosea**. Good-sized, bell-shaped flowers of rose-pink. \$1.75 each.

Night-Blooming Sorts (Open on cloudy days also)

- 5A 3678 **Bissett**. Beautiful pink; wide petals. One of the best. \$2 each.
- 5A 3679 **Devonshire**. Rosy red, 8 to 10-inch flowers. Bronze leaves. \$2.25 each.
- 5A 3680 **Junio**. The largest flower in the Night-Blooming section. Broad, snow-white petals around a center of yellow stamens. \$2.50 each.
- 5A 3681 **Omara**. Produces large flowers of a deep rose color. \$2 each.

Lotus

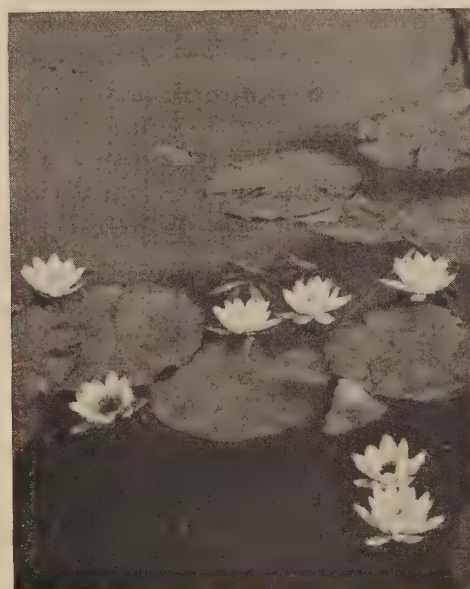
Tubers are available from April 10 to June 1. Do not break the growing tip.

Soil should be rich, and covered with 6 to 10 inches of water. Set the tubers at an angle, so that the tip is barely covered, and firm the soil about the tuber.

- 5A 3684 **American Lotus** (*Nelumbium luteum*). Native variety having large, cream-yellow flowers with a delightful fragrance. \$2.50 each.
- 5A 3685 **Sacred or Egyptian Lotus** (*N. nuciferum*). A hardy, vigorous, fragrant type having rose-tipped petals, shading to cream at the base. \$2.75 each.
- 5A 3686 **Double-flowering Rose Lotus** (*N. roseum plenum*). Deep rose-pink. \$3.50 each.
- 5A 3687 **Chinese Lotus** (*N. pekinensis*). Double flowers of a rich rose-red. \$3.50 each.

Bog and Marsh Plants (April 10 shipment)

- 5A 3690 **Sweet Flag** (*Acorus Calamus*). Variegated leaves. 90 cts. for 3, \$3.25 per doz.
- 5A 3691 **Water Poppy** (*Hydrocleis nymphoides*). 50 cts. for 3, \$1.75 per doz.
- 5A 3692 **Ginger or Butterfly Lily** (*Hedychium coronarium*). \$1 for 3, \$3.75 per doz.
- 5A 3693 **Yellow Flag** (*Iris Pseudacorus*). 90 cts. for 3, \$3.25 per doz.
- 5A 3694 **Marsh Iris** (*Iris versicolor*). 90 cts. for 3, \$3.25 per doz.
- 5A 3695 **Oriental or Water Taro** (*Colocasia antiquorum illustris*). \$1.50 for 3, \$5 per doz.
- 5A 3696 **Oriental or Water Taro** (*Colocasia multiflora*). 75 cts. each, \$8 per doz.
- 5A 3697 **Egyptian Paper Plant** (*Cyperus Papyrus*). \$1 for 3, \$3.75 per doz.
- 5A 3698 **Umbrella Palm** (*Cyperus alternifolius*). \$1 for 3, \$3.75 per doz.
- 5A 3699 **Water Plantain** (*Alisma Plantago*). \$1 for 3, \$3.75 per doz.
- 5A 3700 **Wild Rice** (*Zizania aquatica*). 50 cts. for 3, \$1.75 per doz.



Water-Lilies add charm and suggest peace. This is one of the hardy types.

Shallow-Water Plants (April 10 shipment)

- 5A 3703 **Arrow-head** (*Sagittaria latifolia*). Well-known native plant. 90 cts. for 3, \$3.25 per doz.
- 5A 3704 **Cattail** (*Typha latifolia*). \$1.75 per doz.
- 5A 3705 **Floating Heart** (*Nymphoides peltatum*). 50 cts. for 3, \$1.75 per doz.
- 5A 3706 **Marsh Marigold** (*Caltha palustris*). 90 cts. for 3, \$3.25 per doz.
- 5A 3707 **Parrot Feather** (*Myriophyllum proserpinacoides*). 50 cts. for 3, \$1.75 per doz.
- 5A 3708 **Pickrel Rush** (*Pontederia cordata*). 90 cts. for 3, \$3.25 per doz.
- 5A 3709 **Water Nasturtium**. 50 cts. for 3, \$1.75 per doz.

Floating Plants (April 10 shipment)

- 5A 3712 **Water Fern** (*Ceratopteris thalictroides*). 50 cts. per portion.
- 5A 3713 **Duck Weed** (*Lemna*). 40 cts. portion.
- 5A 3714 **Salvinia** (*S. brasiliensis*). 40 cts. por.
- 5A 3715 **Water Lettuce or Shell Flower** (*Pistia Stratiotes*). 50 cts. for 3, \$1.75 per doz.
- 5A 3716 **Water Hyacinth** (*Eichhornia crassipes major*). 75 cts. for 3, \$2.75 per doz.

Submerged Plants (Oxygenating)

(April 10 shipment)

- 5A 3719 **Sagittaria guyanensis**. \$1.50 for 3, \$5.50 per doz.
- 5A 3720 **Sagittaria sinensis**. 50 cts. for 3, \$1.75 per doz.
- 5A 3721 **Vallisneria**. \$1 per doz.
- 5A 3722 **Herpestis**. 50 cts. for 3, \$1.75 per doz.
- 5A 3723 **Anacharis**, 5A 3724 **Cabomba** (Fanwort; Fish-Grass), 5A 3725 **Milfoil** (*Myriophyllum*). 5A 3726 **Ludwigia**.

Above 4, per bunch 45 cts., doz. bunches \$4.50

COLLECTIONS OF WATER PLANTS

5A 3731 HARDY POOL COLLECTION. \$10 (Ready April 10)

Suitable for a pool about 30 square feet in area. One each: Water-Lily, *Gloriosa* (red), *Gladstone* (white) and *Pink Opal*. Also the following aquatic plants:

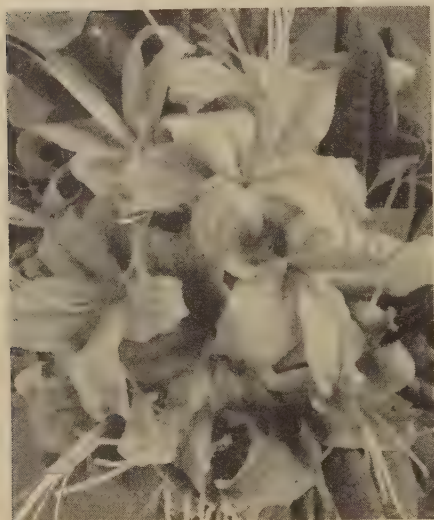
- 5 plants for a centerpiece or background
- 3 floating plants
- 12 plants for corners or margins
- 3 submerged plants

COLLECTIONS OF TROPICAL WATER-LILIES (Ready June 1)

- 5A 3733 Two day-blooming kinds, Mrs. George H. Pring and Mrs. E. Whitaker. (Value \$4.75.)..... \$4 00
- 5A 3735 One each of three night-blooming sorts, Juno, Devonshire and Bissett (Value \$6.75.)..... 5 75
- 5A 3737 One each of four day-blooming sorts (Value \$10.50.)... 9 50

HARDY SHRUBS

Purchaser pays transportation beyond 50 miles of New York.



Azalea calendulacea

AZALEA. Beautiful, compact evergreen shrubs, ideal for including in a foundation planting. Foliage is hidden under a wealth of bright flowers in early June.

Amoena. Leaves become bronzy in winter. Flowers rose-purple. 5A 3870 10 to 12 in. *B&B, \$2.75 each, \$8 for 3, \$30 per doz. 5A 3871 12 to 15 in., *B&B, \$3.75 each, \$10.75 for 3, \$41 per doz.

5A 3872 *Calendulacea*. *Flame Azalea*. Two-inch flowers are orange-scarlet. 2 to 3 ft., *B&B, \$7.50 each, \$21.50 for 3.

Hinodegiri. Brilliant crimson-scarlet; a clear, handsome shade. 5A 3874 10 to 12 in., *B&B, \$3 each, \$8.75 for 3, \$33 per doz. 5A 3875 12 to 15 in., *B&B, \$4.50 each, \$13 for 3, \$49.50 per doz.

5A 3876 *Ledifolia magnifica*. Large, white fragrant blossoms. 2 to 2½ ft., *B&B, \$7 each, \$20 for 3.

ALMOND. *Amygdalus (Prunus) triloba*. Fragrant flowers are borne on slender branches during May. Ten feet high when mature. We supply 2 to 3-ft. plants. 5A 3878 *Pink*. 5A 3879 *White*.

Above two, \$1.50 each, \$4 for 3, \$15 per doz.

BUTTERFLY BUSH. *Buddleia*. One of the most desirable shrubs, beginning to bloom in July and continuing until severe frost. Flowers are borne in dense, cylindrical spikes. Plants are in 3-in. pots.

5A 3883 *Charming*. Large lavender-pink flower trusses produced abundantly throughout the summer. Grows 4 to 6 feet.

5A 3884 *Orchid Beauty*. A splendid new variety of a soft cattleya lilac color with a brilliant orange eye.

5A 3885 *Purple Glory*. A rich, dark purple. Free flowering.

5A 3886 *Royal Red*. A fine addition to this glorious family.

Above 4, 75 cts. each, \$2 for 3, \$7 per doz.

5A3887 **COLLECTION:** One each of the above 4 *Buddleias*, \$2.50

5A 3881 **BEAUTY BUSH.** *Kolkwitzia amabilis*. Mature plants appear like a beautiful pink cloud when in flower. Attains 4 to 6 feet. We offer 3 to 4-ft. bushes, \$1.50 each, \$4 for 3, \$15 per doz.

5A 3865 **BECHTEL'S CRAB.** *Malus ioensis*. Double-flowered Prairie Crab-apple. Showy tree, maturing at 30 ft. 3 to 4 ft. \$2.50 each, \$7 for 3, \$26 per doz.

5A 3868 **CAROLINA ALLSPICE.** *Calycanthus floridus*; *Sweet Shrub*; *Strawberry Shrub*. 5 to 6 ft. Chocolate-colored flowers of wonderful fragrance. 3 to 4 ft. \$1 each, \$2.75 for 3, \$10 per doz.

5A 3890 **CHASTE TREE.** *Monks' Pepper Tree*; *Vitex macrophylla*. Matures at 5 to 6 feet. Spikes of beautiful lavender-blue flowers in late summer against the starlike gray-green leaves. Place a layer of Mulch-o-Nure on the soil above the roots in December. 2 to 3-ft. plants, \$1.25 each, \$3.50 for 3, \$13.75 per doz.

5A 3892 **DEUTZIA gracilis**. Dwarf plants covered with pure white flowers in early summer. 15 to 18-in. bushes, \$1 each, \$2.75 for 3, \$10 per doz.

5A 3893 **Pride of Rochester**. Fine, tall, double white variety, maturing at 10 feet. 3 to 4-ft. bushes, \$1 each, \$2.75 for 3, \$10 per doz.

DOGWOOD. *Cornus*.

5A 3896 *Florida*. Grows to 25 feet. Beautiful white flowers in early spring, followed by red fruits in autumn. 4 to 5-ft. saplings, *B&B, \$10 each.

5A 3897 *Florida rubra*. Grows to 20 feet. A light rose-pink form of the variety above. 4 to 5-ft. saplings, *B&B, \$15 each.

5A3915 **FLOWERING QUINCE.** *Cydonia japonica*. Blooms profusely in early spring; bright scarlet. 4 to 5 feet high when mature. 18 to 24-in. plants, \$1 each, \$2.75 for 3, \$10 per doz.



Golden Bell (Forsythia spectabilis)

5A 3900 **GOLDEN BELL.** *Forsythia spectabilis*. Bright yellow flowers burst into bloom at the beginning of spring while the bush is otherwise bare. 7 to 8 feet high when mature. 3 to 4-ft. bushes, \$1 each, \$2.75 for 3, \$10 per doz.

5A 3903 **GOLDEN CHAIN.** *Bean Tree*; *Laburnum*.

Vossii. Grows to 15 feet or higher. Green-barked tree with hanging clusters of golden yellow pea-flowers. Imagine a yellow wisteria that does not climb. Will stand partial shade. Pods and seeds are poisonous. Striking plant, covered with blooms in May and June. 5 to 6-ft. saplings, \$6 each, \$17.25 for 3.

5A 3906 **HYDRANGEA arborescens grandiflora.** *Hills of Snow*. Reaches 10 feet. Large ball-clusters of snowy white flowers. 3 to 4-ft. plants.

5A 3907 **Paniculata grandiflora.** The flowers, borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose-purple, and are semi-everlasting. 8 to 9 feet high when mature. 3 to 4-ft. plants.

Above 2, \$1.50 each, \$4 for 3, \$15 per doz.

Blue Hydrangea

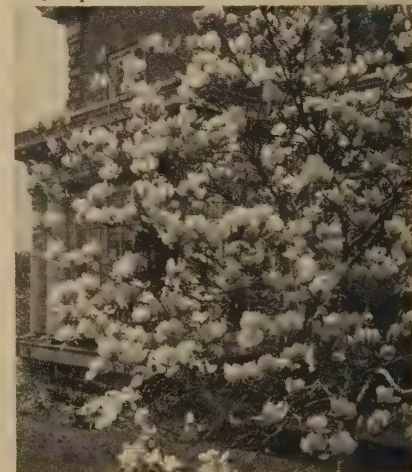
5A 3908 **Hydrangea macrophylla.** Ordinarily the flowers are pink; but in acid soil, pH 5.5 or under, and in the presence of aluminum, they are gentian-blue. When planting, place around the roots good soil with which ½ lb. aluminum sulphate has been mixed with each bushel. If blue color does not develop, rake in annually 1 lb. aluminum sulphate per 10 sq. ft. until it does. 3 ft. \$1.75 each, \$5 for 3, \$19.25 per doz.

MOCK-ORANGE. *Philadelphus*. This old-fashioned sweet-scented shrub will grow in almost any kind of soil, and is tolerant of partial shade. Prune after flowering.

5A 3910 **Coronarius.** This variety has large white flowers in early summer. 10 feet high when mature. 3 to 4-ft. plants, \$1.25 each, \$3.50 for 3, \$12 per doz.

5A 3911 **Mont Blanc.** Graceful dwarf shrub, growing to not more than 3 feet, covered in early summer with dazzling white flowers. 2 to 3-ft. plants, \$1.25 each, \$3.50 for 3, \$12 per doz.

5A 3912 **Virginalis.** 8 ft. Without doubt, the finest variety. Large, semi-double flowers of haunting fragrance. June. 3 to 4-ft. plants, \$1.50 each, \$4 for 3, \$15 per doz.



Magnolia Soulangeana

5A 3861 **MAGNOLIA Soulangeana.** Tree grows to 20 feet or more; beautiful in spring when covered with its enormous pink-white flowers. Very hardy. 3 to 4-ft. plants, *B&B, \$15 each.

*Plants offered "B & B" (Balled and Burlapped) have their roots surrounded by the original soil and wrapped in cloth. Plants of this kind may be delivered only within the Japanese Beetle area. Varieties which do not bear the initials B & B have bare roots, and may be shipped to all points, subject to state regulations.

HARDY SHRUBS

LILAC. *Syringa*. Spring-blooming shrubs loved by everyone. They will thrive almost anywhere, and mature at 12 feet. Single-flowered varieties, 3 to 4 ft.

5A 3918 White 5A 3919 Purple
\$1.50 each, \$4 for 3, \$15 per doz.

French Hybrid Lilacs

Larger flowers, and more striking colors.

SINGLE VARIETIES

5A 3922 Charles X. A profuse bloomer, splendid for cutting. Flowers violet-red.
5A 3923 Ludwig Spaeth. Dark crimson-purple.
5A 3924 Marie Legraye. Creamy white.

DOUBLE VARIETIES

5A 3927 Le Gaulois. Soft lilac-blue.
5A 3928 Mme. Abel Chatenay. Large, double flowers of milk-white. Late.
Above five French Lilacs, all 2 to 3 ft., \$1.75 each, \$5 for 3, \$19.25 per doz.

ROSE OF SHARON. *Althaea*; *Hibiscus syriacus*. Hardy shrubs blooming from August to October. Height 10 to 12 feet when mature. 3 to 4 ft.

DOUBLE

5A 3932 Purple 5A 3933 Red
5A 3934 White
\$1 each, \$2.75 for 3, \$10 per doz.

5A 3860 **SNOWBERRY** *Racemosus*. *Symphoricarpos*; Waxberry. Shrub with pink flowers and white berries. 5 to 6 feet high when mature. 3 to 4-ft. plants, \$1.50 each, \$4 for 3, \$15 per doz.

SPIRÆA.

5A 3937 Anthony Waterer. Color bright crimson. A dwarf subject which blooms in July and August. 3 feet when mature. 1½ to 2-ft. plants.

5A 3938 Van Houttei. *Bridal Wreath*. In May and June the white blooms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-ft. plants.

Above 2, \$1 each, \$2.75 for 3, \$10 per doz.

VIBURNUM.

5A 3939 Carlesii. *Fragrant Viburnum*. 5 to 6 feet when mature. Large, fragrant, waxy white flowers in spring. 2 to 3½-ft. bushes. *B&B. \$6 each, \$17.25 for 3.

5A 3940 *Tomentosum*. Spreading branches covered with dazzling white flowers in clusters. 2 to 3-ft. bushes, \$1.25 each, \$3.50 for 3, \$12 per doz.

5A 3941 *Tomentosum plicatum*. *Oriental Snowball*. Grows to 10 feet. Many white balls in May. 2 to 3-ft. bushes, \$1.75 each, \$5 for 3, \$19.25 per doz.

Flowering Cherries • *Prunus*

5A 3862 Japan Rosy Red (*Kwanzan*). Bushy, upright growth. Large, double flowers on long stems. Foliage in spring has a coppery hue. 4 to 5 ft. \$5 each, 3 for \$13.50, \$50 per doz.

5A 3863 Rosebud Cherry. Beautiful weeping tree with a profusion of light pink flowers. 5 to 6 ft. \$8.50 each, 3 for \$23.50.



Chinese Hybrid Chestnut tree in bearing three years after planting the sapling (at right). The nuts are shown above

5A 3854 Chinese Hybrid Chestnut

Low, spreading tree which should begin to bear three years after planting. Nuts are of excellent roasting or stuffing quality.

The scientist's answer to blight, which has killed native Chestnuts in the Northeast. Any good loamy soil will grow them, provided it drains well. Best planted in threes, neighbors cooperating by planting one or two, where necessary; this is to insure pollination.

Two-year saplings, 3 to 4 ft., \$2.75 each, \$7.25 for 3, \$27.50 per doz.

WEIGELA. Covered in May and early June by large, trumpet-shaped flowers. Prune as soon as blooms are over and from time to time shorten long branches to encourage flowers all year. Best in full sun.

5A 3942 Bristol Ruby. Plant Patent 492. An attractive shrub with ruby-red blossoms on entire plant from June through July, and intermittently throughout the season. Six-foot fine-formed shrub at maturity. 2 to 3 ft., \$1.50 each, \$4 for 3, \$15 per doz.

5A 3943 Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-ft. plants, \$1.50 each, \$4 for 3, \$15 per doz.

BOXWOOD EDGING

For defining a driveway, path, shrubbery, rose-bed or border. Keep trimmed, mulch over winter, rake under limestone every spring. Hardy within 100 miles of N. Y. Not recommended for northern and eastern New England.

Suffruticosa. Fragrant. Dwarf; small-leaved. 5A 3851 4 to 6 inches high (allow 4 per running foot), \$3.50 per doz., \$25 per 100. 5A 3852 6 to 8 inches high (allow 3 per running foot), 75 cts. each, \$7.50 per doz., \$50 per 100.

*Plants offered "B & B" (Balled and Burlapped) have their roots surrounded by the original soil and wrapped in cloth. See footnote, page 86.



HEDGE PLANTS FOR HOME AND GARDEN ENCLOSURE



California Privet

5A 3944 **CALIFORNIA PRIVET.** *Ligustrum ovalifolium*. Most popular hedge plant. Should be set 1 foot apart in double rows in zigzag fashion. Will stand any amount of pruning to keep in shape desired. Extra-strong, 3-ft. plants, \$1.75 for 10, \$4 for 25, \$15 per 100, \$140 per 1000.

5A 3945 **ORIENTAL BARBERRY.** *Berberis Thunbergi*. Requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the berries becoming scarlet. Small spines deter trespassers. 1½ to 2 ft. 4 to 6 branches, 60 cts. each, \$5.50 for 10, \$12.50 for 25, \$45 per 100.

5A 3946 **RED-LEAVED BARBERRY.** Like the Green-leaved sort, but the foliage is red all summer, and becomes more vivid as the season advances. 1½ to 2-ft., 2-yr.-old plants, \$1 each, \$8 for 10, \$19.50 for 25, \$75 per 100.



Oriental Barberry

HARDY FLOWERING VINES

These are strong, two-year-old, field-grown plants. We wrap each vine individually with the roots well protected.

5A 3962 **SHRUBBY BITTERSWEET.** *Celastrus scandens*; Waxwork. Native climbing plant with light green foliage and yellow flowers, followed in the autumn by bright orange fruit. 75 cts. each, \$2 for 3, \$7.50 per doz.

HONEYSUCKLE. *Lonicera*. Most useful of hardy vines; easiest to grow.

5A 3959 **Goldflame.** Wonderful flame-coral trumpets lined with gold. Flowers from May to frost. Dormant plants only, \$1.25 each, \$3.50 for 3, \$12.50 per doz.

5A 3960 **Halliana.** Hall's Oriental Honeysuckle. Pure white, changing to yellow. Fragrant. Dormant plants, 50 cts. each, \$1.25 for 3, \$4.50 per doz. In pots after May 10, 75 cts. each, \$2 for 3, \$7.50 per doz.

5A 3948 **DUTCHMAN'S PIPE.** *Aristolochia Sipho*. A vigorous and rapid-growing climber, bearing brownish-colored flowers which resemble a pipe in shape. \$2 each, \$5 for 3, \$18.50 per doz.

5A 3953 **BOSTON IVY.** *Ampelopsis Veitchi*. The most popular of all climbing plants. Attains a height of 30 feet in two or three years; clings to stone, brick or woodwork. Dormant 50 cts. each, \$1.25 for 3, \$4.50 per doz. In pots after May 10, 75 cts. each, \$2 for 3, \$7.50 per doz.



Trumpet Vine

Clematis • Virgin's Bower

Grown on trellises, arbors, pergolas, and walls, they bring glamour to your garden. The large-flowering varieties cover almost the entire color-range and the many small-flowered types have curiously formed flowers

Large-flowering

5A 3964 **Crimson King.** Large; vinous red. \$1.75 each, \$4.75 for 3, \$17.50 per doz.

5A 3965 **Duchess of Edinburgh.** Large, double white flowers. \$1.50 each, \$4.25 for 3, \$16.50 per doz.

5A 3966 **Jackmani.** A perfect mass of bloom. Dark rich purple. \$1 each, \$2.85 for 3, \$11 per doz.

Small-flowering

5A 3967 **Crispa.** Small, bell-shaped, purple flowers. Most unusual.

5A 3968 **Paniculata.** *Virgin's Bower*. Flowers appear in August and continue until frost. White, deliciously fragrant.

5A 3969 **Texensis.** *C. coccinea*. Urn-shaped, vivid scarlet blooms.

Above 3, \$1 each, \$2.75 for 3, \$10 per doz.

5A 3970 **Collection:** 1 each of above 6, \$6.50

We offer two varieties in pots: **Jackmani**, large-flowering; **Paniculata**, small-flowering. These two in pots after May 10, \$1.50 each, \$4 for 3, \$15 per doz.

ENGLISH IVY. *Hedera Helix*. Trailing or climbing plants. 5A 4166 2¼-in. pots, \$2.75 per doz. 5A 4167 4-in. pots, 75 cts. each, \$2.15 for 3. See also page 74.

5A 3950 **KUDZU VINE.** *Pueraria Thunbergiana*. Quick-growing plant with broad leaves and fragrant purple flowers in September. May trail 50 feet. Mulch around the roots in December. 50 cts. each, \$1.25 for 3, \$4.50 per doz.

5A 3971 **PASSION FLOWER.** *Passiflora caerulea*. A curiously beautiful flower with creamy white petals and a fringed crown or halo of clear blue and purple rays around the mysterious center. Needs protection at the root in northern climates. Pot-plants, delivery May 10. \$1.50 each, \$4 for 3, \$15 per doz.

5A 3972 **SILVER LACE VINE.** *Polygonum Auberti*; *Chinese Fleece*. The plant is vigorous, attaining a height of 25 feet, and producing sprays of white flowers in September. Dormant plants, \$1.25 each, \$3.50 for 3, \$13.75 per doz. In pots after May 10, \$1.75 each, \$5 for 3, \$19.25 per doz.

TRUMPET VINE. *Bignonia grandiflora*.

5A 3956 **Mme. Galen.** A fast-growing vine with large orange trumpets borne in profusion during summer. Dormant plants. \$1.50 each, \$4 for 3, \$15 per doz.

5A 3957 **Yellow Trumpet.** A splendid pure chrome-yellow variety. Flowers 2½ to 3 inches across; will tolerate partial shade. Dormant plants only, \$2 each, \$5 for 3, \$18.50 per doz.

WISTERIA. Ideal conditions are a well-drained loam, sunshine and plenty of moisture while in flower. These are all strong, 2-year-old, grafted plants which should assure flowering in two to three years.

5A 3973 **Sinensis.** Pale blue. When established it grows 15 to 20 feet in a season.

5A 3974 **Sinensis alba.** White-flowering form of the above.

Above two, dormant plants only, \$1.25 each, \$3.50 for 3, \$12 per doz.



Passion Flower

SHRUBS AND VINES

You'll Want to Plant

There is hardly a garden, large or small, that is not made lovelier by well-placed, vigorous shrubs that contribute, each at its appointed time, a wealth of color and fragrance. Vines too, trailing over walls, shutting out unsightly buildings, lending shade to porch or trellis, are a distinct addition to the general appearance and attractiveness of the landscape.

BUTTERFLY BUSH • *Buddleia*

Grown 4 to 6 ft.

Brilliant flowers begin in July and continue until severe frost. They are borne in dense, cylindrical spikes. Plants are in 3-in. pots.

5A 3883. **Charming.** Large lavender-pink flower trusses.

5A 3884. **Orchid Beauty.** A splendid variety; soft cattleya-lilac with a brilliant orange eye.

5A 3885. **Purple Glory.** Rich, dark purple.

5A 3886. **Royal Red.** A fine violet-purple.

Above 4, 75 cts. each, \$2 for 3, \$7 per doz.

5A 3887. **COLLECTION:** One each of the above 4 *Buddleias*, \$2.50



5A 3883. **BUDDLEIA, Charming.**
75 cts. each, \$2 for 3, \$7 per doz.

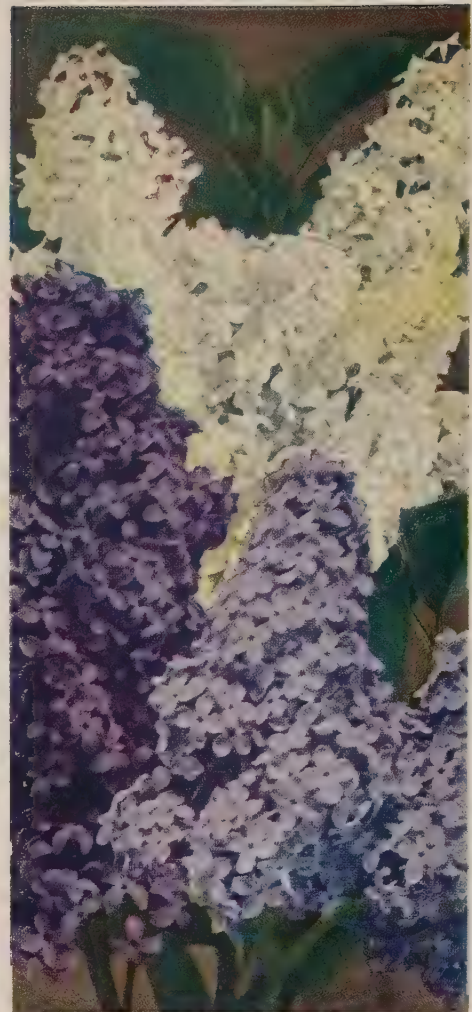


5A 3965. **CLEMATIS, Duchess of Edinburgh.**
\$1.50 each, \$4.25 for 3, \$16.50 per doz.



5A 3966. **CLEMATIS, Jackmani.**
\$1 each, \$2.85 for 3, \$11 per doz.

5A 3972. **SILVER LACE VINE.**
\$1.25 each, \$3.50 for 3,
\$13.75 per doz.



FRENCH HYBRID LILACS

These have larger flower-heads and more striking colors.

SINGLE VARIETIES

5A 3922. **Charles X.** Splendid violet-red.

5A 3923. **Ludwig Spaeth.** Dark crimson-purple.

5A 3924. **Marie Legraye.** Pure creamy white.

DOUBLE VARIETIES

5A 3927. **Le Gaulois.** Enormous flowers; soft lilac-blue.

5A 3928. **Mme. Abel Chatenay.** Large, double flowers of milk-white. A late variety.

Above five French Lilacs, all 2 to 3 ft.,
\$1.75 each, \$5 for 3, \$19.25 per doz.




5A 3948. **DUTCHMAN'S PIPE.**
\$2 each, \$5 for 3, \$18.50 per doz.


GROW YOUR OWN—to savor the true goodness of tree-ripened fruits

YOU'VE NEVER TASTED PLUMS LIKE THESE!

The great size, the new delicious flavor (Is it Nectarine? Is it Peach? Is it Plum?), the firm amber flesh, make it the most exciting fruit grown today. Plant one or more of these exceedingly fast-growing, quick-bearing trees and harvest fruit the second year. Bears through July and August.




5A 3782. HOWARD'S MIRACLE PLUM.
\$2 each, \$5.75 for 3, \$20 per doz.




5A 3808. CUMBERLAND RASPBERRY.
25 cts. each, \$2.50 per doz.,
\$18.50 per 100



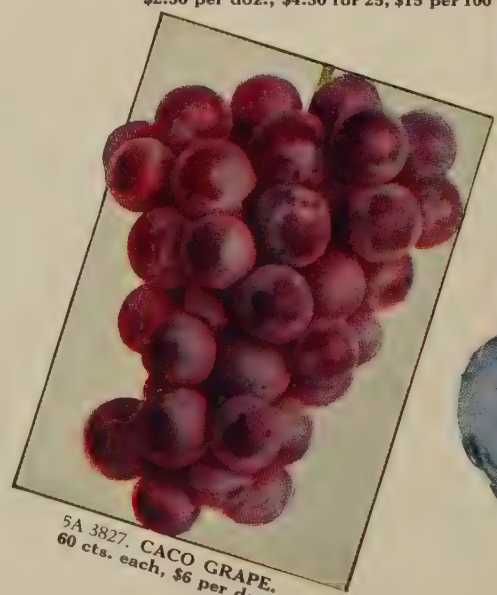
5A 3843. CATSKILL
SPRING-BEARING STRAWBERRIES.
\$2.50 per doz., \$4.50 for 25, \$15 per 100




5A 3804. THORNLESS
BOYSENBERRY.
30 cts. each, \$3 per doz.,
\$22.50 per 100



5A 3811. ST. REGIS RASPBERRY.
25 cts. each, \$2.50 per doz., \$18.50 per 100



5A 3827. CACO GRAPE.
60 cts. each, \$6 per doz.



5A 3821. BURLINGTON
BLUEBERRY.
12 to 18 in. \$1.50
each, \$15 per doz.
18 to 24 in. \$2.25 each,
\$22.50 per doz.

FRUIT TREES

STANDARDS

APPLES 6-7 ft.

\$3.50 each, \$38.50 per doz.

Should produce fruit the fourth year and continue for half a century. Plant 40 feet apart.

5A 3753 **Baldwin.** (Late.) Deep red. All purpose.
5A 3754 **Delicious.** (Late.) Dark red eating Apple.

5A 3755 **Greening.** (Winter.) Large yellow-green fruit.

5A 3756 **Hyslop.** (Crab.) Red and yellow striped.

5A 3757 **McIntosh.** (Late.) Dark red, white-fleshed.

5A 3758 **Williams' Early Red.** (Early.) One of the best.

5A 3759 **Yellow Delicious.** (Late.) Large; golden yellow.

5A 3760 **Yellow Transparent.** (Early summer.) Fruit medium to large, with yellow, waxy skin.

PEACHES 6-7 ft.

\$3.50 each, \$38.50 per doz.

Should begin to yield the second year; they usually live ten to fifteen years. Plant 20 feet apart.

5A 3763 **Belle of Georgia.** (Late.) White freestone.

5A 3764 **Elberta.** (Midseason.) Yellow freestone.

5A 3765 **Hiley.** (Early.) White freestone.

5A 3766 **J. H. Hale.** (Midseason.) Yellow freestone.

APRICOTS 6-7 ft.

\$4.50 each, \$49.50 per doz.

Earlier than most peaches; fruits are small but numerous.

5A 3794 **Early Golden.** Fruits large; almost peach-like in size.

5A 3793 **Alexander.** Cold-resistant variety; small sweet freestone.

CHERRIES 5-6 ft.

First 6 kinds, \$4.50 each, \$49.50 per doz.

Sweet Cherries do well on light land and grow into larger trees than the sour variety which thrives in heavier soil. Plant 25 feet apart.

5A 3774 **Bing.** (Midseason; sweet.) Very hardy, almost black. Recommended.

5A 3769 **Black Tartarian.** (Early; sweet.) Large, black.

5A 3770 **Governor Wood.** (Early; sweet.) Large, yellow.

5A 3771 **Improved Montmorency.** (Midseason; sour.) Attractive red fruit with firm flesh.

5A 3772 **Sweet September.** Patent No. 94. (Late; sweet.)

5A 3773 **Yellow Spanish.** (Sweet.) Amber.

5A 3791 **Hansen Bush.** The fruit of this Bush Cherry resembles a plum in size and shape; it comes in clusters completely covering the branches. The bush grows 5 to 6 feet tall and usually bears the second year. Good flavor; excellent for eating and making jams and jellies.

2-yr. plants, 18 to 24 in., \$1 each, \$11 per doz.

PEARS 5-7 ft.

\$4 each, \$44 per doz.

Will grow on any good loamy soil, preferably one on the heavy side. Plant 20 feet apart and they should begin to yield the third year after planting.

5A 3778 **Anjou.** (Late fall.) Large yellow Pear blushed red.

5A 3779 **Bartlett.** (Late summer.) Large yellow fruit.

5A 3780 **Seckel.** (Autumn.) Small brown fruit.

5A 3777 **Kieffer.** (Autumn.) Gold, blushed red.

PLUMS 6-7 ft.

\$4.50 each, \$49.50 per doz.

Plums do best on rather heavy clay soils but will give good results almost anywhere. Broken or diseased branches are pruned out late each winter.

5A 3783 **Abundance.** Flesh light yellow, very sweet.

5A 3784 **Burbank.** Large dark violet fruit.

5A 3785 **Italian Prune.** Large fruit; purplish blue-black.

5A 3786 **Shropshire Damson.** Clusters of rather small fruit; ideal home-garden variety.

5A 3787 **Stanley.** Midseason, late. Splendid large dark blue, sweet Prune.

QUINCE 5-6 ft.

5A 3797 **Orange.** Excellent for cooking and preserving. An early variety, and good. \$4.50 each, \$49.50 per doz.

BUSH FRUITS

Ample repay high cultivation. Plant following three in rows 6 feet apart, 3 feet apart in the row. Cut out all old wood as soon as the canes have done bearing. Young branches which appeared during the season may be tied to stakes to keep them off the ground; they bear next year.

BLACKBERRIES

2-yr. plants, 25 cts. each, \$2 per doz., \$15 per 100

5A 3800 **Alfred.** Sweet and very hardy type; early. Large.

5A 3801 **Eldorado.** Large, black, very sweet berries.

THORNLESS BOYSENBERRIES

5A 3804 Wine-red berries larger than blackberries, with a distinct flavor. Few seeds. Strong canes, 30 cts. each, \$3 per doz., \$22.50 per 100.

RASPBERRIES

2-yr. transplanted stock, 25 cts. each, \$2.50 per doz., \$18.50 per 100

5A 3807 **Chief.** (Red.) Midseason variety of heavy yield.

5A 3808 **Cumberland.** (Black.) Heavy bearer. Midseason.

5A 3809 **Indian Summer.** (Everbearing.) Fine red variety. Full crop in June; another in fall.

5A 3810 **Latham.** (Red.) A full crop of high-quality berries June and July. Large, firm, sweet.

5A 3811 **St. Regis, Everbearing.** (Red.) Crimson berries from early until late. Delicious.

5A 3812 **Yellow Queen.** Unusual amber-colored berry of excellent eating quality.

CURRENTS

2-yr. plants, 40 cts. each, \$4 per doz., \$32.50 per 100

5A 3814 **Fay's Prolific.** Vigorous, productive bushes. Clusters of dark red, juicy berries.

5A 3815 **Pres. Wilder.** Upright bush. Fine, large, bright red berries, firm and juicy.

GOOSEBERRIES

2-yr., 75 cts. each, \$8.25 per doz., \$67.50 per 100

5A 3817 **Downing.** Prolific with large pale green berries, full flavored and good.

5A 3818 **Houghton.** Medium-sized red berries.

Owing to quarantine regulations, we cannot ship these outside New York State.

Plant Currants and Gooseberries in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way.

BLUEBERRIES

Like moist, sour soil. To ordinary land add large quantities of peat and sand. Plant 4 feet apart.

5A 3821 **Burlington.** The mammoth berries are shown in color on page 90. Newest and best.

5A 3822 **Concord.** Grows 6 feet tall and bears heavy crops of large berries of best quality in July.

5A 3823 **Rubel.** Another 6-foot variety which ripens berries in August. Large fruit of fine color.

Above three, 12 to 18 in., \$1.50 each, \$15 per doz., \$115 per 100; 18 to 24 in., \$2.25 each, \$22.50 per doz., \$175 per 100

GRAPES

Plant at least 6 feet apart in good soil and train on wire or other support. All 2-yr. selected stock.

5A 3827 **Caco.** (Red.) Large wine-red berries. Midseason. 60 cts. each, \$6 per doz.

5A 3828 **Catawba.** (Red.) Dark purplish red berries, extra quality. Late. 45 cts. each, \$4.50 per doz.

5A 3829 **Concord.** (Black.) The standard blue-black Grape. Midseason. 35 cts. each, \$3.50 per doz.

5A 3830 **Concord Seedless.** Similar to Concord but seedless. Midseason. \$1.50 each, \$13.50 per doz.

5A 3831 **Golden Muscat.** (Yellow.) Large golden Grape. Midseason. \$1.50 each, \$13.50 per doz.

5A 3832 **Niagara.** (White.) Midseason; greenish white. 45 cts. each, \$4.50 per doz.

5A 3833 **Portland.** (White.) An early green-white Grape of highest quality. 60 cts. each, \$6 per doz.

5A 3834 **Warden.** (Black.) Large clusters blue-black Grapes. Earlier than Concord. 45 cts. each, \$4.50 per doz.

STRAWBERRIES

Strong, well-developed plants in 3-in. pots.

Rich soil, kept firm, and with a plentiful supply of moisture, is desirable. Select potted plants and space them at 9-inch intervals in rows 2 feet apart in spring or late summer.

Keep the row well weeded at all times, and your hoeing must be very shallow, because all feeding roots are close to the surface. Whiten the soil around the plants with General Garden Fertilizer in November and May. Spread $\frac{1}{2}$ inch of peat moss over both ground and plants in December, and brush it lightly off the leaves in April.

Strawberry plants produce daughter plants around the parent, and as care of a bed develops into routine, it is usual to retain daughter plants at approximately 9 inches apart; in early autumn, transplant surplus plants into new rows. Destroy two-year-old parents.

Runners connecting plants should be cut as soon as young ones are rooted.

Available in April and August

Early

5A 3838 **Dorsett.** A very vigorous-growing, early variety.

5A 3839 **Fairfax.** Berry of exceptional firmness.

5A 3840 **Premier.** Produces an abundance of large fruit, flame-colored.

Potted plants, \$1.75 per doz., \$12.50 per 100

Midseason and Late

5A 3843 **Catskill.** Midseason. Fruit extremely large. \$2.50 per doz., \$4.50 for 25, \$15 per 100.

5A 3842 **Big Joe.** Very productive; extremely large berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads. Midseason.

5A 3844 **Chesapeake.** Extra large. Late.

5A 3841 **Fairpeake.** Later than Chesapeake. Vigorous grower, heavy bearer; average-size berries.

5A 3845 **Red Star.** Large, solid berry, red clear through. Very late.

5A 3848 **Temple.** Very productive; berries medium to large. Medium red.

Potted Plants, except where stated, \$1.75 per doz., \$12.50 per 100

25 or more of a variety at the 100 price except where stated

The above types produce one abundant crop of flowers, followed by fruit, in spring or early summer.

The following types produce flowers rather sparingly all the year. By keeping these pinched off in spring and summer until August 15, and so building up reserved strength in the plant, a fair crop of good fruit will be developed for the autumn.

Everbearing Varieties

5A 3846 **Mastodon.** From summer to late fall.

5A 3847 **Gem.** Produces fruit all season. Berries of medium size and full flavored.

Potted Plants, \$2.50 per doz., \$4.50 for 25, \$15 per 100

ALPINE STRAWBERRIES (Small-Fruited)

Plant in borders, rock-gardens, or beds and enjoy a crop of small, delicious berries all summer. Charming in appearance. In flavor it is similar to the Wild Strawberry.

5A 3849 **Baron Solemacher.** Sweet red fruits.

Potted Plants, \$1.75 per doz., \$3 for 25, \$10 per 100

Alpine Strawberries may also be grown from seed. See Flower Seed section

Note. Strawberry Plants cannot be shipped to points outside Japanese Beetle area.

Corn and Cereal Grains of High Quality

IMPROVED FIELD CORN

Sow 1 peck per acre for ears, $\frac{1}{2}$ bushel for silage, up to 1 bushel for fodder. Rows wide enough apart to allow tractor cultivation.

Flint Corns and early Dents are quick plants of moderate size and are grown for ears. Slower Dent sorts are larger and are for both ears and leaves. Fodder varieties are still larger and are grown for their leaves.

HYBRID VARIETIES

Hybrid Corn versus Open-pollinated Corn

In a field of Corn, pollen grains are carried by the wind from the upper or male flowers onto the "silk" of a neighboring Corn plant, resulting in a normal ear, consisting of kernels which are fertile, and which are able to grow. Seed Corn, as grown by first-line producers, is planted sufficiently far from other varieties that the pollination is confined to the one sort, which is therefore unmixed.

If two kinds, however, are grown together so that an *intentional* impurity is obtained, we produce a *Hybrid Corn*, and when scientific care is taken in selecting parents, in removing male flowers from the female parents, and discarding the ears from the male parents, we have high-quality hybrids such as are listed below. They are *more thrifty plants, more disease-resistant, and far heavier producers of grain or ensilage, or both.*

2A 9502 **Cornell 34-53.** (100 days.)

The characteristic of this new variety is its earliness, and the certainty with which it will mature its ears; recommended for this purpose almost anywhere in New York State and southern New England. A fine yellow Dent with 7 to 9-inch ears, with 14 to 18 rows. Essentially a grain Corn, it makes excellent ensilage also. Height 8 ft. Qt. 70 cts., postpaid 90 cts.; pk. \$4.25, bus. (56 lbs.) \$12, 10 bus. \$110.

2A 9503 **Hybrid Yellow Dent.** (105 days.)

Heavy-yielding variety. Produces very long, large, sound ears, deep grains; strong, stocky, medium-tall stalk. For ensilage as well as grain. Qt. 70 cts., postpaid 90 cts.; pk. \$4.25, bus. (56 lbs.) \$12, 10 bus. \$110.

2A 9504 **Cornell No. 29-3 Hybrid Dent.**

(110 days.) Adapted to our eastern conditions. Yellow kernels with a slight red tinge. It is a double-crossed hybrid which may be used for a double purpose. Splendid for ensilage in areas with short seasons and grain for other areas. Qt. 75 cts., postpaid 95 cts.; pk. \$4.50, bus. (56 lbs.) \$12.50, 10 bus. \$115.

2A 9505 **Southern Hybrid Sweepstakes.** (Fodder.)

A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature grain in the North. A profitable sort. Qt. 75 cts., postpaid 95 cts.; pk. \$4, bus. (56 lbs.) \$12, 10 bus. \$110.

Open-pollinated Corn

2A 9508 **Golden Eureka (Dent.)** Under favorable conditions may yield 150 bushels of ears or 25 tons of silage per acre. Grows 12 feet high, ears average 12 to 15 inches long, 18 or 20 rows, yellow grains, and small cob. 100 days. Qt. 55 cts., postpaid 75 cts.; pk. \$2, bus. (56 lbs.) \$6, 10 bus. \$55.

2A 9509 **Cornell No. 11 (Dent.)** A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches. 14- to 18-rowed with small red cobs. Grows 8 to 9 feet tall. Qt. 60 cts., postpaid 80 cts.; pk. \$2.35, bus. (56 lbs.) \$7, 10 bus. \$65.

2A 9510 **Longfellow (Flint).** (90 days.) Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts. Qt. 60 cts., postpaid 80 cts.; pk. \$2.35, bus. (56 lbs.) \$7, 10 bus. \$65.

2A 9511 **Jumbo Silage.** (Fodder.) An improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. For low, rich lands. Qt. 60 cts., postpaid 80 cts.; pk. \$2.35, bus. (56 lbs.) \$7.25, 10 bus. \$67.50.

2A 9512 **Evergreen.** (Fodder.) A sweet Corn valuable as silage or green fodder. Qt. 65 cts., postpaid 80 cts.; pk. \$2.50, bus. (45 lbs.) \$8, 10 bus. \$75.

7A 5342 AT SEEDING TIME USE AN AMERICAN CORN PLANTER

Strongly made; highly practical. One-hand model. Plant your hills as quickly as you walk your fields. Adjustable as to number of grains in a hill; puts them at the correct depth. \$4.50.

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

2A 9515 **Sunburst.** Fine large yellow kernels that have a buttery tint when popped. 2A 9516 **White Hulless.** Small, white kernels.

Above two, lb. 65 cts., postpaid 85 cts.; 10 lbs. \$6, 100 lbs. \$50

POP-CORN FOR POPPING

2A 9518 **Giant Yellow.** Lb. 25 cts., postpaid 45 cts.; 5 lbs. \$1.10, postpaid \$1.45.

2A 9519 **White Hulless.** Lb. 30 cts., postpaid 50 cts.; 5 lbs. \$1.35, postpaid \$1.75.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre.

2A 9522 **Clinton.** Has been giving remarkable results in the East. Straw-colored type; early. Tall, stiff straw variety. Heavy Oat and high yielding. Pk. \$1.50, bus. \$4.25, 10 bus. \$40.

2A 9523 **Mohawk.** Fine, hardy, heavy, resistant to *helminthosporium*, Oat. Heavy yielding. Stout straw. Pkt. \$1.65, bus. (32 lbs.) \$4.50, 10 bus. \$42.50.

2A 9524 **Welcome.** Heavy, handsome, and productive. Swedish type. Qt. 35 cts., postpaid 50 cts.; pk. \$1.35, bus. (32 lbs.) \$3.75, 10 bus. \$35.

2A 9526 **ALPHA BARLEY.** High-yielding and satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas per acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre. Qt. 40 cts., postpaid 60 cts.; pk. \$1.85, bus. (48 lbs.) \$5, 10 bus. \$47.50.

2A 9529 **SPRING RYE.** Valuable with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bushel with 75 pounds of Vetch per acre. When grown alone, sow $1\frac{1}{2}$ bushels of Rye per acre. Qt. 50 cts., postpaid 70 cts.; pk. \$2, bus. (56 lbs.) \$6, 10 bus. \$57.50.

2A 9531 **SPRING WHEAT.** A heavy-cropping, hard, beardless variety. Sow in spring, $1\frac{1}{2}$ to 2 bushels per acre. Qt. 50 cts., postpaid 70 cts.; pk. \$2.35, bus. (60 lbs.) \$7, 10 bus. \$67.50.

2A 9533 **WHEAT FOR COOKING.** Lb. 30 cts., postpaid 50 cts.; 10 lbs. \$2.50, 100 lbs. \$15.



Longfellow (Flint) Corn

Leguminous and Sundry Farm Seeds; Sorghums and Millets



Soy Beans

In Place of Manure Grow Soil-improving Plants; plow or dig them under

The added organic material will retain plant-food and hold moisture. Do not allow even the smallest area to remain idle, but harrow or rake under General Garden Fertilizer, 1 ton per acre or 50 pounds to each 1000 square feet, and sow one or more of the under-noted crops, appropriate to the season. It is desirable to sow combinations of them; when mixed together the stated quantities may be reduced in proportion.

	Quantity when sown alone	Per acre	Per 1000 sq. ft.
SPRING SEEDING			
*Spring Vetch.....	100 lbs.	3 lbs.	
*Canada Field Peas....	3 bus.	3 qts.	
Spring Rye.....	2 bus.	2 qts.	

	Per acre	Per 1000 sq. ft.
SUMMER SEEDING		
*Soy Beans.....	2 bus.	2 qts.
*Cowpeas.....	2 bus.	2 qts.
Mammoth Buckwheat....	2 bus.	2 qts.
*Crimson Clover.....	35 lbs.	1 lb.

	Per acre	Per 1000 sq. ft.
EARLY FALL SEEDING		
Winter Rye.....	2 bus.	2 qts.
Winter Wheat.....	2 bus.	2 qts.
*Winter or Hairy Vetch..	100 lbs.	3 lbs.

	Per acre	Per 1000 sq. ft.
SEEDING ANY TIME		
*Mixed Clovers (Sawco		
Formula No. 3).....	35 lbs.	1 lb.

Varieties marked * are legumes, and are of additional value because of the nitrates which are added to the soil by colonies of bacteria in nodules on the roots of leguminous plants. Use these, and you need not buy nitrogenous fertilizers. Treat seeds marked * with Legume-Aid before sowing to insure a sufficiency of these bacteria.

COWPEAS

For improving soils by plowing under; also valuable as hay. Sow 2 bus. per acre.

2A 9535 **Mixed Cowpeas.** Qt. 50 cts., postpaid 75 cts.; pk. \$3, bus. (60 lbs.) \$8.50, 10 bus. \$82.50.

SOY BEANS The Crop of Many Uses

Mammoth Yellow and Wilson are slow-growing, tall and bushy sorts which do not mature Beans in northern latitudes, but are the best to use for green cattle and hog feed, for silage or excellent hay; also for plowing under for soil-improvement.

For these purposes, sow 3 to 4 pecks per acre in close rows, or 6 to 8 pecks if drilled solid or broadcast. When grown with corn, allow 1 peck with 15 pounds of corn to the acre.

Earlyana grows quickly enough to mature its Beans in the North. They are excellent for mixing with corn and other materials for high protein dairy and stock feed. From these Beans, the valuable Soy-bean oil is expressed; they also supply the foods, plastics, paints, varnishes and soaps with which we are becoming increasingly familiar. For the production of Beans, use 2 to 3 pecks per acre, drilled into 20 to 30-inch rows. The culture of Soy Beans makes the land more productive for a succeeding crop.

2A 9537 **Mammoth Yellow.** Enormous plants. Ideal for green feed, silage or hay; and for plowing under. Yellow seed.

2A 9538 **Wilson.** A black-seeded sort. Early, but somewhat smaller.

2A 9539 **Earlyana.** Early yellow-seeded variety for grain and Hay. It ripens early. Has high feeding value.

Above 3 sorts, qt. 50 cts., postpaid 75 cts.; pk. \$3, bus. (60 lbs.) \$7, 10 bus. \$65

2A 9541 **Soy Beans for Sprouting.** Much used in Chinese cookery. Lb. 25 cts., postpaid 45 cts.; 5 lbs. \$1, postpaid \$1.35.

VETCHES OR TARES

Excellent for milk-production and fattening livestock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

2A 9543 **Spring Vetch** (*Vicia sativa*). Sow in spring, using 150 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Vetch. Lb. 45 cts., postpaid 65 cts.; 10 lbs. \$3.75, postpaid \$4.50, 100 lbs. \$27.50.

2A 9544 **Winter or Hairy Vetch** (*Vicia villosa*). For spring and autumn seeding, using 125 lbs. per acre, broadcast, or 100 lbs. in drills; or $\frac{1}{2}$ bus. of a cereal and 75 lbs. of Winter Vetch. Lb. 65 cts., postpaid 85 cts.; 10 lbs. \$5.50, postpaid \$6.25; 100 lbs. \$45.

2A 9546 **CANADA FIELD PEAS.** Three bushels per acre or $1\frac{1}{2}$ bus. Peas and $1\frac{1}{2}$ bus. oats. Qt. 60 cts., postpaid 80 cts.; pk. \$3, bus. (60 lbs.) \$9, 10 bus. \$87.50.

SORGHUMS AND MILLETS

2A 9548 **AMBER SUGAR-CANE.** Sow 50 pounds per acre. Lb. 35 cts., postpaid 55 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

2A 9550 **SUDAN GRASS.** Sow 30 pounds per acre. Lb. 40 cts., postpaid 60 cts.; 10 lbs. \$3, 100 lbs. \$22.50.

2A 9552 **BROOM CORN.** Sow 20 pounds per acre. Lb. 55 cts., postpaid 75 cts.; 10 lbs. \$5, 100 lbs. \$40.

MILLETS. Catch-crops to replace corn, wheat, or other crops which may have failed. They are fed green, or as silage or hay.

2A 9554 **Golden.** Sow 50 pounds per acre. Lb. 30 cts., postpaid 50 cts.; 10 lbs. \$2.25, 100 lbs. \$13.50.

2A 9556 **Hungarian.** Sow 50 pounds per acre. Lb. 30 cts., postpaid 50 cts.; 10 lbs. \$2.25, 100 lbs. \$13.50.

2A 9558 **Barnyard.** Sow 25 pounds per acre. Lb. 30 cts., postpaid 50 cts.; 10 lbs. \$2.25, 100 lbs. \$13.

Insure Your Crops By Using These Proved Protectors (Circulars on request)

9A 7627 **Semesan Jr. Improved.** Protects seed corn against smut and root-rotting, increases germination and yield, controls blight. Four ounces for each 2 to 3 bushels of seed. 12 ozs. 62 cts., 25 lbs. \$13.85, 100 lbs. \$49.95.

9A 7546 **Crow Repellent.** Seed preserver for corn. Prevents birds taking seed; protects against ground-rot and smut. Non-poisonous and does not retard germination. Large, for 2 bushel seed corn, \$1. Small, for 1 bushel, 60 cts.

9A 7536 **New Improved Ceresan.** Use it on wheat, oats, barley and sorghums before sowing. Controls bunt, smut and other fungi. An ounce treats 2 bushels seed, a pound treats 32 bushels. 4 ozs. 35 cts., lb. 90 cts., 4 lbs. \$3, 8 lbs. \$6, 40 lbs. \$26.40, 100 lbs. \$61.05.

LEGUME-AID inoculates leguminous crops with nitrogen-fixing bacteria. These yield better, and leave in the soil a heavy deposit of nitrogen to benefit all succeeding crops in the rotation.

9A 7438 For Alfalfa and Clovers. 1-bus. unit 50 cts., $2\frac{1}{2}$ -bus. unit \$1.

9A 7439 Lespedeza, Cowpeas, Lima Beans, Peanuts. 100 lb. unit 50 cts.

9A 7440 Vetches, Field Peas and Garden Peas. 100-lb. unit 50 cts.

9A 7441 Soy Beans. 2-bus. unit 30 cts., 5-bus. unit 55 cts.

9A 7442 Garden Packet, Garden Peas, Sweet Peas, Lima Beans and Lupines. Inoculates up to 5 lbs. 10 cts.

Please order by numbers, or specify the kind of seed to be inoculated.

SUNDRY FARM SEEDS

2A 9560 **MAMMOTH BUCKWHEAT.** More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 35 cts., postpaid 60 cts., pk. \$2, bus. (48 lbs.) \$6, 10 bus. \$55.

2A 9562 **DWARF ESSEX RAPE.** For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre to drills. Lb. 50 cts., postpaid 70 cts.; 10 lbs. \$4, 100 lbs. \$30.

2A 9564 **SUNFLOWER, Mammoth Russian.** For poultry feed. Four pounds of seed will sow an acre. Lb. 45 cts., postpaid 65 cts.; 10 lbs. \$4.25, 100 lbs. \$40.

MANGEL and SUGAR BEET. See page 12.

FIELD CARROT. See page 14.

RUTABAGA or SWEDE. See page 26.

Grass Seeds for Hay or Permanent Pasture



The Sawco Grass and Clover Formulas

We have furnished these for over forty years, and they have long shown their suitability to conditions in the greater metropolitan district, where they have proved highly satisfactory to our many customers. They are compounded from a wide range of varieties.

2A 9566 Sawco Formula No. 1. Grasses only of high quality for pasture and hay, consisting of nine permanent varieties, correctly proportioned. No Clover. Sow 45 pounds per acre. Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$60.

2A 9567 Sawco Formula No. 2. Grasses and Clovers of high quality for pasture and hay. This mixture consists of twelve ingredients, giving good pasturage and heavy cuts of highly nutritious hay. Sow 40 pounds per acre. Lb. 95 cts., 10 lbs. \$8.50, 100 lbs. \$70.

2A 9568 Sawco Formula No. 3. Clovers only of high quality for rich pasturage. No grasses. Sow 15 pounds per acre. Lb. \$1.25, 10 lbs. \$11.50, 100 lbs. \$95.

2A 9569 Sawco Low-Cost Formula No. 4. For hay and pasture; consists of Timothy, Redtop and Clover only. Sow 30 pounds per acre. Lb. 80 cts., 10 lbs. \$7, 100 lbs. \$55.

When ordering any of these formulas, kindly state whether your soil is (a) loamy, (b) bottom-land, (c) shaded orchard or (d) poor, including hillside.

We deliver Above Grass Seeds and Mixtures anywhere in the U. S.; Either Express or Freight, Our Option

Cornell Pasture and Hay Mixtures

The following three mixtures of grass and clover seeds are compounded strictly in accordance with the specifications of the Department of Agronomy, Cornell University. However, we use higher quality ingredients than specified.

2A 9571 Cornell General-Purpose Mixture. With Kentucky Bluegrass as recommended for a number of years. For hay and pasture or pasture alone. For soil of fair quality, but will thrive under drier conditions than the Special Pasture Mixture. May be used with a grain crop. Sow 20 pounds per acre. Lb. \$1.10, 10 lbs. \$9.50, 100 lbs. \$80.

2A 9572 Cornell General-Purpose Mixture. 1948 Revised Formula—without Kentucky Bluegrass. Sow 18 pounds per acre. Lb. \$1.25, 10 lbs. \$10.50, 100 lbs. \$90.

2A 9573 Cornell Permanent Pasture Mixture. 1948 Formula. For good land, adequately fertilized. A companion grain crop is not advised. Sow 18 pounds per acre. Lb. \$1, 10 lbs. \$8.50, 100 lbs. \$70.

2A 9574 Cornell Utility Mixture. 1948 Formula. For poorer soil than either of above. Minimum seeding per acre, 18 pounds. Lb. \$1, 10 lbs. \$8.50, 100 lbs. \$70.

Quantities are those recommended by Cornell University.

Where maximum speed is needed, and on weed-seed-infested land, these amounts may well be increased by 50 per cent.

Special Note. This is a suggestion of the Stumpp & Walter Co. and is not necessarily endorsed by Cornell.



White Clover

CLOVERS

Seed of Maximum Purity and Highest Germination

Prices F.O.B. our stores except where noted

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices on request for larger quantities than shown.

2A 9576 Medium Red. Summer crop is usually cut when in blossom for hay; second in late summer. Sown spring or fall, and if alone, at 15 pounds per acre. American seed. Lb. \$1.25, postpaid \$1.45; 10 lbs. \$11, postpaid \$11.75; 100 lbs. \$85.

2A 9577 Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American seed. Lb. \$1.25, postpaid \$1.45; 10 lbs. \$11, postpaid \$11.75, 100 lbs. \$85.

2A 9578 Alsike (Swedish Clover). Hardy and will do better on unfavorable land than others. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. \$1.05, postpaid \$1.25; 10 lbs. \$9, postpaid \$9.75; 100 lbs. \$70.

1A 80 White Clover. Used in mixture for pastures or lawns. Lb. \$1.85, 10 lbs. \$17.50, 25 lbs. \$40. (Delivery prepaid.)

1A 81 Wild White Clover. More permanent and spreading than plants originating from commercial seeds. Thrives on soils too poor for other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay. Oz. 35 cts., 1/4 oz. \$1, lb. \$3, 10 lbs. \$27.50, postpaid.

2A 9579 Ladino Clover. A giant white Clover, excellent for permanent pastures. Good either for shallow or heavy soils, but especially profitable on moist ones. Produces heavily over entire pasture season. Lb. \$3.50, postpaid \$3.70; 10 lbs. \$32.50, postpaid \$33.25.

2A 9580 Alfalfa or Lucerne. Deep roots resist drought. Use 20 pounds per acre drilled, or 30 pounds broadcast. Northern-grown, cold-resistant American seed. Lb. \$1.35, postpaid \$1.55; 10 lbs. \$12.50, postpaid \$13.25; 100 lbs. \$95.

2A 9581 Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 15 pounds per acre drilled, or 20 pounds broadcast. Lb. \$1.45, postpaid \$1.65; 10 lbs. \$13.50, postpaid \$14.25; 100 lbs. \$100.

2A 9582 Crimson Clover. For early spring pasture or for hay. Use 20 pounds per acre, June to Oct. Lb. 75 cts., postpaid 95 cts.; 10 lbs. \$6.50, postpaid \$7.25; 100 lbs. \$50.

2A 9583 White Sweet Clover. Fair fodder when young, and excellent to turn under. Bee-plant. 6-ft. Sow 15 pounds per acre. Lb. 60 cts., postpaid 80 cts.; 10 lbs. \$5, postpaid \$5.75; 100 lbs. \$37.50.

2A 9586 BIRDSFOOT TREFOIL

(*Lotus corniculatus*)

Highly productive dwarf perennial legume, deep rooting and drought-resistant. Palatable to stock and valuable as a bottom ingredient in pastures. On slopes may even be added to grass seed for very rough lawns. Lb. \$3.25, 10 lbs. \$30, postpaid.

Lespedeza. For pasture, hay and lawn on poor land in warmer sections.

2A 9589 Korean. Lb. 40 cts., postpaid 60 cts.; 10 lbs. \$3.25, postpaid \$4; 100 lbs. \$22.50.

2A 9590 Kobe. Lb. 50 cts., postpaid 70 cts.; 10 lbs. \$4, postpaid \$4.75; 100 lbs. \$32.50.

2A 9591 Sericea. (Perennial.) Lb. 65 cts., postpaid 85 cts.; 10 lbs. \$5.50, postpaid \$6.25; 100 lbs. \$45.

For all Legumes use LEGUME-AID nitrogen-fixing bacteria. Distinct culture for every crop. See previous page.

Tools for Cleaning Land, Digging and Raking

Shovels



Sawco High Grade. Good, reliable.
 7A 5213 Square Point, D-Handle... \$2 75
 7A 5214 Round Point, D-Handle... 2 75
 7A 5215 Square Point, Long Handle 2 75
 7A 5216 Round Point, Long Handle. 2 75
 7A 5217 **Light-Weight Shovel.**
 Long handle; round point 2 50

Spades



7A 5218 **Sawco High Grade.** Dependable quality. D-Handle..... \$2 75

7A 5219 Sawco Drain Spade



Solid shank. Ideal for transplanting. 16 inches long; 4 3/4 inches wide. D-handle. \$5.

FORKS



Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides. Each
 7A 5182 4-tine, D-Handle. \$3 00

Manure Forks. Best-grade; oval tines.
 7A 5184 4-tine, D-Handle. 2 50
 7A 5185 5-tine, D-Handle. 2 75
 7A 5186 6-tine, D-Handle. 3 25
 Long-Handle Forks, same price.

7A 5188 **English Type Digging Fork.** 4-tine, D-Handle. Tines are square and awl-sharp. For heavy land and difficult forking. 3 50

7A 5191 **Hay Fork.** 3-tine, Long Handle. 2 50

Gem Hand Fork



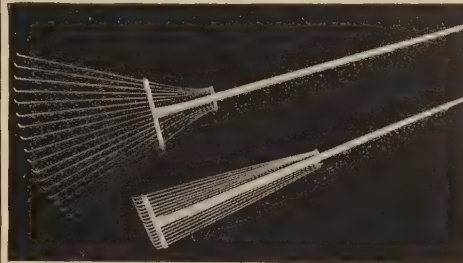
7A 5195 Has three prongs of forged steel. A handy Fork for loosening the soil, etc. \$1.25.

7A 5169 Cavex Rake. A cultivating and renovating Rake. 14 in. wide. One side has twenty flat 2-in. crescent teeth for tearing out chickweed, crab grass and thinning out stolons. Other side has twenty flat crescent teeth slightly curved for general cultivating, raking and scarifying turf. \$2.75.

Bamboo Rake. Imported sun-cured bamboo. Reinforced with metal band and wire spiral. 7A 5170 18 in., \$2.25; 7A 5171 24 in., \$2.50; 7A 5172 30 in., \$2.75.



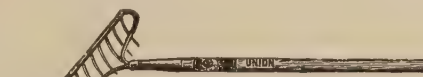
7A 5165 Aluminum Adjustable Rake



This 4-in-one Rake is ideal for grass, leaves, soil and gravel. Weighs only 24 ozs. Will not rust. 48 in. long when closed. Instantly adjustable. Spread from 10 in. to 30 in. Tines slightly flattened on end. An ideal gift for your gardening friends. \$5.



Steel Garden Rake. Cut from one piece of steel; strong and durable. Polished teeth.
 7A 5160 14-tooth. \$1 65
 7A 5161 16-tooth. 1 85

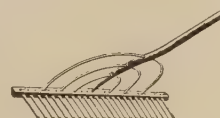


Steel-Bow Garden Rake. Extra strong; will not break in the middle.
 7A 5162 14-tooth. \$1 85
 7A 5163 16-tooth. 2 00



7A 5164 **Dandelion Rake.** Large, saw-edge teeth; concave blade. Ideal for all turf weeds. 15 1/2 in. wide. \$1.75.

Wood Hay and Lawn Rake. Made especially with an extra-strong head for double service.



	Each	Doz.
7A 5166 Hay, 14-tooth.	\$1 75	\$19 25
7A 5167 Lawn, 28-tooth.	2 50	27 50

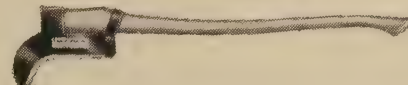
Lawncomb Rake. Made of high tempered spring steel with flat replaceable tines. 7A 5173 18 in., \$1.85; 7A 5174 24 in., \$2.50.



7A 5175 **Steel Brume Rake.** With polished wooden handle. Cleans the turf as gentle as one's hand. 19 in. wide. \$1.75.



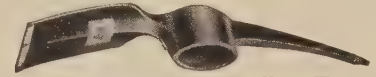
7A 5131 **Earle Special Bush Hook.** Ideal for heavy work. \$4.



Mattocks



7A 5263 **Cutter Mattock.** 6 lbs. Tempered tool steel. Polished edges. With handle, \$3.50.



7A 5264 **Pick Mattock.** 6 lbs. Tempered tool steel. Polished ends. With handle, \$3.50.

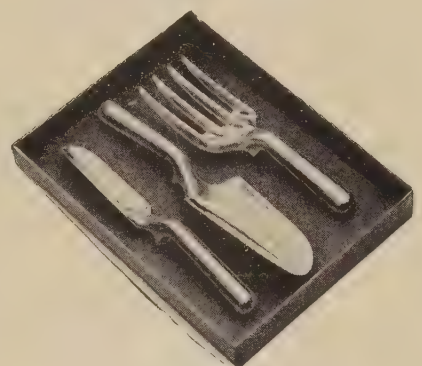


7A 5265 **Light-weight Mattock.** Long handle. Both blades facing. 1 3/4 inches wide and 3 inches wide. Overall length of blade 12 3/4 inches. Serves as a hoe on clay soil. \$2.50.



5A 5261 **Grape Hoe.** One piece hand forged steel. 6 3/4 x 7 1/4-in. blade. For heavy work. With handle. \$3.50.

Featherlite Tool Set

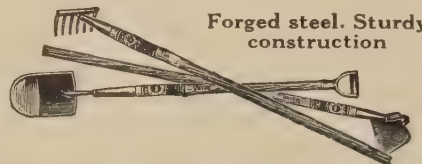


High quality aluminum alloy; super strength; featherlite; perfect balance. Finger rest prevents slipping; eliminates fatigue. An ideal gift for your gardening friends.

7A 5221 The Set. \$3 95
 Tools also may be ordered individually.
 7A 5222 **Trowel.** 5 1/2-in. by 3-in. blade. 1 50
 7A 5223 **Transplanting Trowel.** 4 1/2-in. by 1 1/2-in. blade. 1 50
 7A 5224 **Cultivating Fork.** 4-tine... 1 50

Junior Tool Set

Forged steel. Sturdy construction

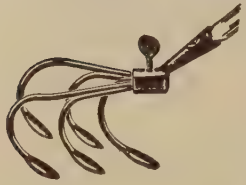


Practical for the woman gardener.
 7A 5225 The Set. \$5 00
 Tools also may be ordered individually:
 7A 5226 **Shovel.** 1 75
 7A 5227 **Hoe.** 1 75
 7A 5228 **Rake.** 1 75

Cultivators, Trowels, Garden Carts, Spreaders, and Sundry Implements

HOES

Victory Cultivator Hoe



They destroy weeds, leave the soil level, loose, and untrampled.

Long-Handle, 7A 5200 3-prong, \$1.25.
7A 5201 5-prong \$1.50.

Beet Hoe



7A 5241 For blocking and thinning, weeding and hoeing. 7-in. blade. \$1.25.

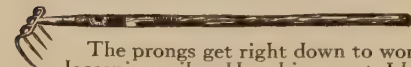
Magic Cultivator



Made of round steel, galvanized, with springy temper. Enters soil very easily. A very handy tool for potted plants and home-garden use. Each

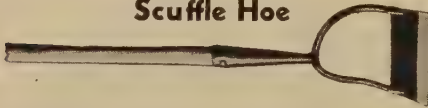
5A 5204 3-tine, Short Handle.....\$0 25
7A 5205 3-tine, 36-in. Handle..... 45
7A 5206 4-tine, 42-in. Handle..... 75

"Speedy" Cultivator Hoe



The prongs get right down to work, loosening soil and breaking crust. Ideal weeder. 7A 5198 3-prong, \$1.75; 7A 5199 4-prong, \$2.

Scuffle Hoe



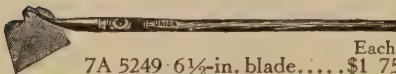
7A 5244 4 in. wide.....\$1 85
7A 5245 6 in. wide..... 2 25
7A 5246 8 in. wide..... 3 00



Eureka Cultivator

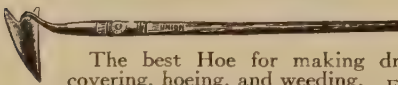
7A 5208 Round tines, forged steel, sharp and curved at proper angle for easy pulling motion. 6-inch wood handle. \$1.45.

Draw or Garden Hoe



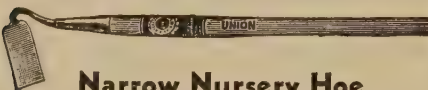
Each
7A 5249 6½-in. blade....\$1 75

Warren or Heart-shaped Hoe



The best Hoe for making drills, covering, hoeing, and weeding. Each

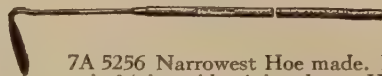
7A 5252 4-ft. Handle, 7-in. blade....\$2 00
7A 5253 Short Handle, 4½-in. blade.. 85



Narrow Nursery Hoe

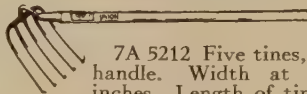
7A 5258 Extremely narrow Hoe designed for use in closely planted areas. \$1.75.

Handy Hoe



7A 5256 Narrowest Hoe made. Blade is ¾ in. wide, 4 ins. long. Handle 4 ft. \$1.25.

Potato Hook



7A 5212 Five tines, round, long handle. Width at points, 6¼ inches. Length of tines 7 inches. \$2.50.

Wheel Cultivator



7A 5350 No. 16 Single Wheel Planet Jr. Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$13.45.

7A 5351 No. 12 Double Wheel Planet Jr. A single and double Wheel Cultivator in one. As a Double Wheel Hoe, it straddles crops until 20 in. high, cultivating both sides at once. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows, and 2 Leaf-lifters. \$16.95.

7A 5352 Dandy Boy Single Wheel Hoe. 14-in. steel wheel. Consists of pair of weeding hoes, large single plow with land-side and three cultivator teeth. All-steel construction; rubber-grip handles. \$11.25.

7A 5353 High Wheel Cultivator. All-steel, rigid and strong. Contains a double pointed shovel with sharp cutting edges for deep cultivation; plow for opening and closing furrows, trenches, hilling crops; 5-tooth cultivator for fast cultivation. Large diameter wheel, 1¼-in. thread. Complete, \$6.75

Trowels



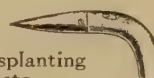
7A 5234 Stumpwall. Best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece; 6 inches long. \$1.75

7A 5235 Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. 6-in., \$1.25.

7A 5236 Transplanting. 1¾ x 6¼-inch blade, forged. Offset shank. \$1.25.

7A 5222 Aluminum. Light-weight. 5½-in. blade. \$1.50.

Dibbles



Just the tool for transplanting tomatoes, cabbage, celery, etc.

7A 5091 Steel Point, Wood Handle. Regular size, 9¾ in., \$1.50.

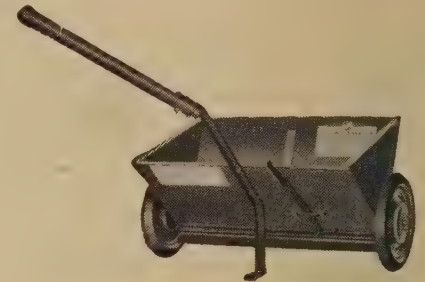
Garden Line

Braided Bronze Nylon. 7A 5093 50 ft. \$1.50; 7A 5094 100 ft. \$2.50; 7A 5095 200 ft. \$4.00.

Malleable Iron Reels for above.

7A 5097 No. 1. Holds 300 ft. \$2.75.

7A 5098 No. 2. Holds 600 ft. \$3.25.



Salem Spreader. For the small lawn or large estate. Has many uses—fertilizing, seeding, top-dressing. Spreads salt, sand or ashes on icy surfaces. Avoids drudgery, waste and uncertainty. 7A 5315 16 in. wide (capacity 22 lbs.), \$7.50; 7A 5316 20 in. (40 lbs.) \$11.50; 7A 5317 36 in. (125 lbs.) \$35.50.

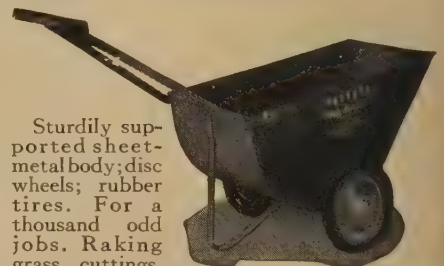
7A 5319 Dandy-Boy Spreader. Heavily constructed, full-size Spreader. Holds 30 lbs. of fertilizer. Spreading width, 18 in. Ideal for sowing grass seed and spreading gravel, ashes and sand on icy sidewalks. Control-rod operates from handle. \$8.75.

7A 5302 Sawco Garden Cart



A light, sturdy Cart for general garden use. All steel. Wheel is 12 inches in diameter; hard rubber tire. Length, 5 feet; 17½ inches wide at handles. Strong one-bushel oak splint basket. \$8.50.

7A 5304 Handi-Cart



Sturdily supported sheet-metal body; disc wheels; rubber tires. For a thousand odd jobs. Raking grass cuttings, leaves, trash, earth, sand, and gravel. Merely tip down to load, no lifting necessary. Capacity, 3 cubic feet. Length, 26½ in.; width, 19 in.; depth in center, 14 in. \$9.95.

Baskets, Barrows and Grass Cutting Tools

BASKETS

General-Purpose

7A 5284	1-bus. size.....	\$3 00
7A 5285	2-bus. size.....	4 00
7A 5286	3-bus. size.....	5 50

Gardeners' Baskets

7A 5287	20 x 11 x 6½ in. deep.....	\$3 50
7A 5288	24 x 15 x 8½ in. deep.....	4 00

Picking Baskets

7A 5289	¼-bus. size.....	\$2 25
7A 5290	½-bus. size.....	2 75

Rustic Garden Basket

7A 5291	17 x 14 x 12 in. deep.....	\$2 75
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Flower and Fruit Baskets

7A 5292	13 x 13 x 3½ in. deep.....	\$1 75
7A 5293	24 x 12 x 3½ in. deep.....	2 25

Fruit Baskets (Not illustrated)

7A 5294	Strawberry. 1-qt. 100 size.....	\$4 50
7A 5295	Peach. 2-qt. size... 6 00	\$28 50
		55 00

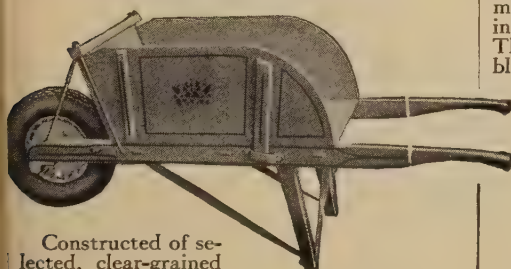
BARROWS

7A 5306 Sawco Magnesium Lawn Barrow



The new, light-weight, sturdily built, perfectly balanced, easy to move Barrow. Weighs only 14 lbs., made of magnesium. Barrow measures 26½ in. x 32 in.; overall length 50 in. Painted French gray, under-structure bright blue. 1 ½ in. diameter extruded magnesium tubing handles. Semi-pneumatic tire 2.75 x 10, on roller bearings. Amazingly light and easy to handle. \$29.95.

Sawco Garden Barrow



Constructed of selected, clear-grained hard wood. Durable and substantial for long service. 7A 5308 Front width, 20 in. Box: depth 12 in., length 28 in. Rear width, 24 in. Tread, 3 in. With Steel Wheel, \$16.50. 7A 5309 Pneumatic Tire, \$27.50.



7A 5285

7A 5288

7A 5290

7A 5291

7A 5293

7A 5070

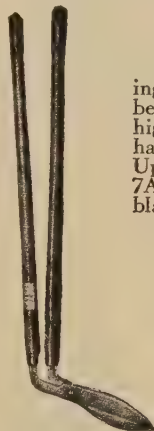
Sawco Long-Handle Trimming Shears

A modern Grass Shears. Eliminates stooping, kneeling, and back-breaking positions. Just as simple as walking. Shaft made of aluminum alloy. Operated from top of handle by connecting rod. Length of cutting blades 6¾ inches, height of Shears 38 inches. An efficient and practical tool that will appeal to everyone who has the care of a garden or lawn. \$4.50.



Border Shears

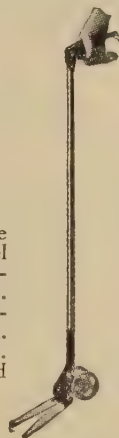
Designed to trim overhanging grass on borders, flowerbeds, and walks. 9-in. blades of high-grade tool steel; polished handles and blades. 7A 5072 Up-and-down action blade \$8. 7A 5073 Criss-cross action blade \$8.



7A 5069

Miracle Long-Handle Grass Shear

A criss-cross action blade Grass Shear. Drop forged steel blades hardened and oil tempered. 37 in. over-all length. Blades cannot get out of alignment. Two metal wheels 4 in. in diameter. Rubber hand grips. Thumb catch on handles to hold blade closed. \$7.50.



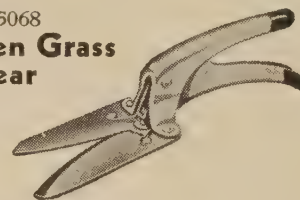
Grass Hooks

7A 5119	Warren-Church. Good quality. 85 cts.
7A 5120	Sawco. Blade forged from razor steel, hollow ground. 1-in. offset. \$1.50.
7A 5121	Hook Tooth. 8-inch blade. \$1.



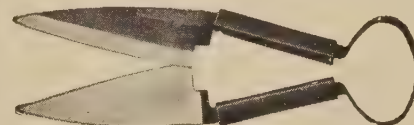
7A 5068 Klip Klean Grass Shear

Cannot pinch your hand



Finest steel, 5-in. blades. Bracket fastens on wall to hold in safe closed position when not in use. \$1.49.

Grass Shears



7A 5063 High-quality domestic tool steel. 6½-in., \$1.75.

7A 5064 Imported. Sheffield steel. \$3.50.

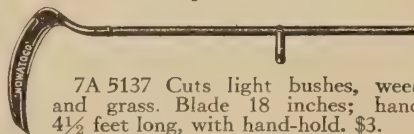


7A 5065 Warren-Church Shears. Up-and-down action; 5-in. blades. \$2.75.



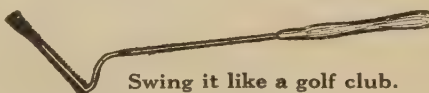
7A 5066 Grass Shear. Scissor type, oil-tempered and hollow-ground blades 5 in. long. Iron handles. \$1.65.

Scythehook



7A 5137 Cuts light bushes, weeds, and grass. Blade 18 inches; handle 4½ feet long, with hand-hold. \$3.

Speedy Grass Cutter



Swing it like a golf club.

7A 5139	9-inch double-edge blade. \$1.25.
7A 5140	Hook Tooth. 8½-inch blade, serrated one side, long handle. \$1.50.

Grass Scythe



Cutlery steel, natural oil finish; cutting edge, web and backs polished.

7A 5126 28 to 32 in. \$4 50

7A 5129 **Scythe Snath or Handle.** The very best, with patent socket. \$4.

7A 5133 **Bush Scythe.** Heavier and shorter than a grass Scythe; 18 inches long. Especially used for heavy growth where ordinary Scythe is not practical. Blade only. \$3.

Scythe Stones



7A 5142 **Scythe Stones, Genuine English.** Round, tapering. 60 cts.

7A 5143 **Sawco.** 35 cts. each, \$3.50 per doz.

Grass Catchers

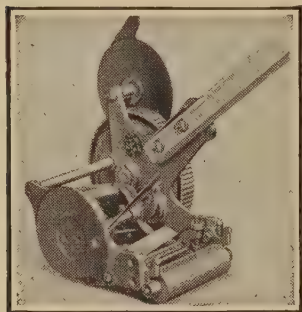
Made of heavy duck. Sturdy wire frame; aluminum bottom. With carrying Handle. Has exclusive built-in, instant-attaching spring hooks. Holds firmly in place on mower. For use on hand or power mowers.

7A 5051 **No. 1.** (Fits Mowers 12 to 18 in. wide) \$2 50

7A 5052 **No. 2.** (Fits Mowers 19 to 23 in. wide) 4 00

7A 5053 **No. 3.** (Fits Mowers 24 to 29 in. wide) 5 00

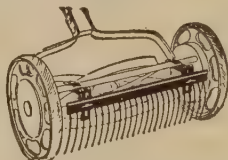
Pennsylvania Lawn Trimmer and Edger



7A 5049 Equipped with steel disc and small plow. Width of cut, 6 inches. Can mow close up to trees, walls, paths, and flowerbeds. \$21.80.

7A 5168 Crab Grass Eliminator

Fits any mower from 15 to 19 inches wide. Lifts the crab grass and seed spikes from the ground so the mower can slice them off. Attaches very easily. \$2.

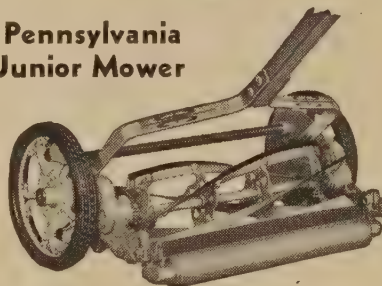


7A 5039 Clemsen Precision Lawn Mower

An exceptionally fine Mower. Easier rolling, easier turning. No "bobbing" on bumpy ground. More rigid—stays in alignment. Worm-gear action for micrometer-like self-locking adjustments without tools. Cuts closer to front and side obstructions. Finger-grooved plastic handles with bracket to hold catcher. 17-in. cut. Hard rubber tires. \$31.95.



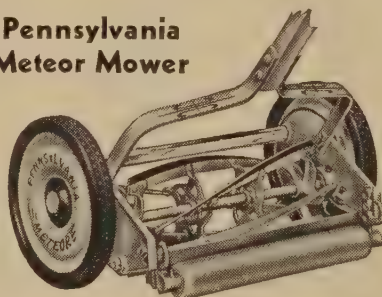
Pennsylvania Junior Mower



One of the best hand Mowers made. Suitable for all lawns and much used on golf courses. 5 blades. Hard rubber tires.

7A 5042 17-in. cut \$38 30

Pennsylvania Meteor Mower



Light-weight aluminum construction. 5 crucible steel blades; 10-inch diameter aluminum wheel. Adjustable from ½ to 1¾ inches. Hard rubber tires.

7A 5045 16-in. cut (weighs 36 lbs.)... \$32 95

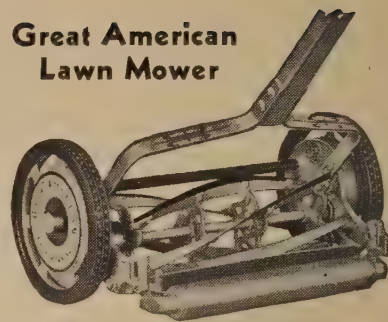
7A 5046 19-in. cut (weighs 39 lbs.)... 35 00

Planet Jr. Revolving Disc Edger



7A 5113 Trims accurately and quickly. \$2.45.

Great American Lawn Mower

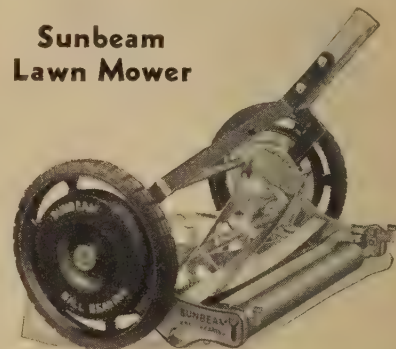


Reliable heavy-duty machine. Height of mown turf can be regulated from ½ to 1½ inches; will cut grass 6 inches high. Wheels are 10 inches high. Hard rubber tires. Price 5 blades

7A 5036 17-in. \$30 00

7A 5037 19-in. 32 75

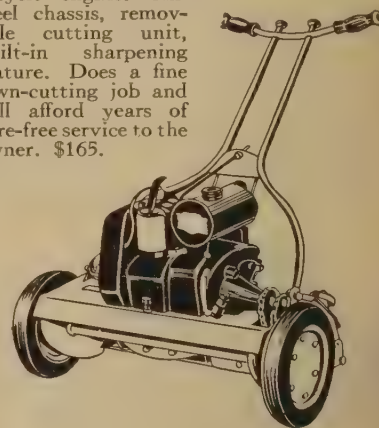
Sunbeam Lawn Mower



Five blades, 10-inch drive wheels, ball bearing, pre-war malleable iron construction. A heavy duty Lawn Mower that will stand hard usage and give years of good cutting. 7A 5031 14-inch, \$25.25; 7A 5032 16-inch, \$26.25; 7A 5033 18-inch, \$27.25.

A QUALITY MACHINE

7A 5005 **Pincor Power Mower.** A powerful, precision-built, all-steel Mower designed to meet the needs of home owners and commercial users. 20-in. cut; 1½ H.P.; 4-cycle engine. All-steel chassis, removable cutting unit, built-in sharpening feature. Does a fine lawn-cutting job and will afford years of care-free service to the owner. \$165.



Turf Edger



7A 5115 **Half-Moon Edging Knife.** Solid steel, with a polished handle. \$1.75.

Ideal LATEST MODEL POWER MOWERS

Whether your lawn is a modest small home-plot, a large estate, a park or golf course, Stumpp & Walter Co. can supply an Ideal power lawn mower that is properly "gaited" to keep it perfectly trimmed with a minimum of effort. Rugged and dependable, Ideal power mowers are smooth-cutting, powerful and easily handled.

We present three of the most popular models on this page, but should your lawn present special problems we'll be glad to make proper recommendations if you will write us regarding any extraordinary conditions.

The NEW VICTOR

(Color Illustration)

Outstanding features in a power mower at this low price. These light but sturdy, welded steel frame mowers have automotive type bevel gear differential, pre-sealed precision ball bearings, fingertip controls and a 1 1/4-h.p. 4-cycle motor that furnishes ample, steady power for its generous 24-inch swath. Handles with an ease that makes lawn grooming a pleasure.

\$259.50

28" width with 2-h.p. motor \$294.50.

The '21' WHIPPET

Hundreds of Stumpp & Walter Co.'s customers will attest the economy and durability of this little "work horse." Cuts 21-inch swath with ease—gets close to trees, shrubs and flower beds. 4-cycle gasoline engine eliminates messy fuel mixing. Now at new low price.

\$135.00



**DEFERRED PAYMENTS
ARRANGED**



The DELUXE SUBURBAN '48'

With three 18-inch cutting units and four rubber-tired drive wheels, this 1.5-h.p. mower cuts a 4-foot swath with a speed and efficiency that makes it a top choice of gardeners and estate owners. For narrow spaces the trailers are detached and the 18-inch center cutting unit trims narrow spots with swift perfection.

\$314.50



REO Trimalawn \$194.00

25" model \$219.00
18" Wing Units with at-
tachments for either
model, \$75.00 per pair



REO Royale \$119.50



TRIMALAWN

A heavy-duty, 21-inch mower with sturdy 1½-h.p. motor for ranch home-owners, parks, estates, schools and cemeteries. Compact and powerful, it climbs steep grades with ease—tackles tough grass without faltering—handles easily and economically—cuts as much as 4 acres a day! Superior features throughout make the Trimalawn the outstanding mower in its class.

ROYALE

Reo performance and dependability—at a price! The Royale gives you a full 21-inch cut in this 1½-h.p. mower that will mow up to 3 acres in a day. Single, simple control; adjustable handle; 5-blade reel with one-piece steel bottom knife; built to micrometer specifications for lasting service.

REO Snowplow Attachments

\$21 Stationary
\$31 Reversible



SNOWPLOWS

Quickly and easily converts your Trimalawn into a power snowplow. Clears a path in the snow 24 inches wide and spares you the hard shoveling on walk or driveway. Does the job in one tenth the time, with a minimum of effort. Made of ¼-inch sheet metal, 15 inches high and 28 inches long. Easy to attach and remove. Requires no servicing except filling the weight box with 40 lbs. of sand or gravel.

DEFERRED PAYMENTS ARRANGED

HERE'S The Power Implement That Will Work For You—Every Day Of Every Season

The Amazing HANDY WORKER

Rugged as a Missouri mule, the 1½ H.P. Handy Worker is a precision-built combination Tractor and Soil Tiller that completely conditions your soil in one simple operation. No spading, discing, harrowing. Special trenching tool and depth wheel are optional. With power take-off (extra) it quickly converts to an Auxiliary Power Unit, Rotary Snow Plow, Lawn Mower, Sickle Bar, Pneumatic Tree Pruner or Power Sprayer. You can start with the Tiller for complete soil conditioning and add the other units as the season advances. Good looking as it is practical, and practically everlasting.

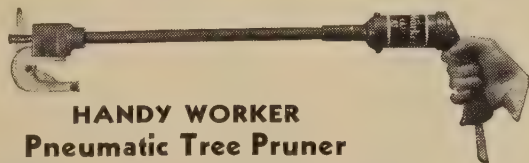


HANDY WORKER Tiller

Cultivates and weeds your garden from seeding to harvest time. Plenty of power to spare, yet even a child can operate it. This is your basic Handy Worker unit. Shipping wt. 110 lbs. \$194.50.

HANDY WORKER Sickle Bar Mower

Tested, proved—indispensable for mowing tall grass or weeds or matted areas. Comes with cutter bar and hood, easily and quickly attached. 28-in. cut. \$79.50.



HANDY WORKER Pneumatic Tree Pruner

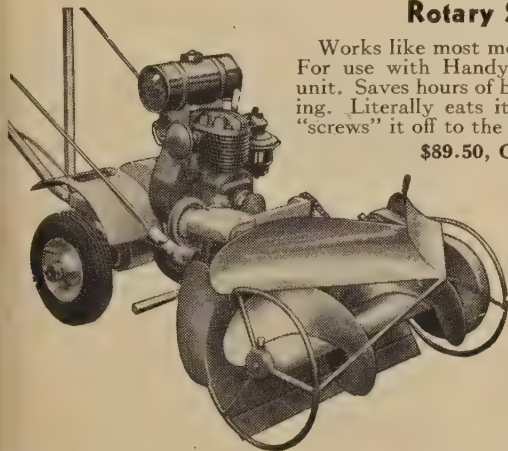
Runs by compressed air from your Handy Worker Power Sprayer. Saves climbing, saves work. A press of the button and the branch is off. \$49.50.

Handy Worker Guarantee protects you against any possible defects for 90 days after delivery. Drop forged cultivating tines unconditionally guaranteed for **1 YEAR** against breakage under normal use (including rocky soil).

HANDY WORKER Rotary Snow Plow

Works like most modern highway equipment. For use with Handy Worker Power Take-Off unit. Saves hours of back-breaking hand shoveling. Literally eats its way into the snow and "screws" it off to the side.

\$89.50, Chains, \$3.50

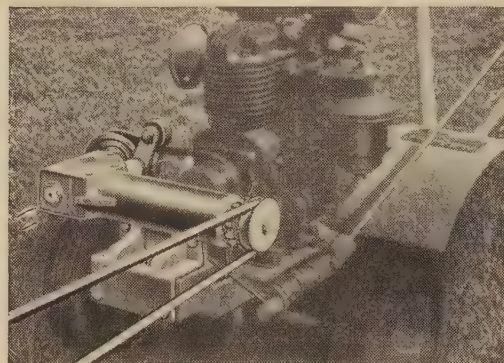


**DIVIDED
PAYMENTS
ARRANGED**



HANDY WORKER 21½-in. Lawn Mower

Again the unique Power Take-Off is called into play to drive this fast-cutting mower. Perfectly balanced and engineered for long life and ease of handling. \$79.50



HANDY WORKER Power Take-Off

The key to all the amazing jobs your Handy Worker will do for you. Gives you portable or stationary power. Clamp it to your work bench; use belt or chain-driven hook-ups to Handy Worker power implements or your own equipment. \$34.50

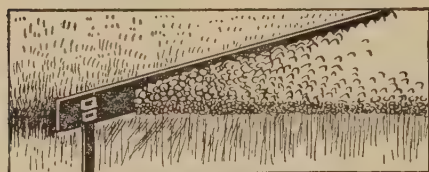
Power Cultivator, Seeders, Sweepers, Rollers, Tampers, Bleaching Tubes

Rotary Tiller



Tills, Mulches, Cultivates!

Rebuilds soil nature's way, cuts and mulches vegetation throughout tilled depth, prepares a perfect seed bed and increases crop yield. Prevents erosion, produces earlier disintegration, increases mineral and moisture content, requires less commercial fertilizer. Tines are rugged forgings designed so that average stones pass through and lift over larger ones. Tills a 16-in. swath from air-cooled engine. 7A 5331 5 horsepower for light and sandy loam, \$472. 7A 5332 7 horsepower model for stony and rough land, \$496.



7A 5393 Estate Curbing

For neat roadways and garden paths. It adds richness to your home and surroundings. Made of steel 5 in. wide by 1/4 in. thick, with 18-in. steel stakes fabricated into the steel. Comes in 20-ft. lengths. Up to 100 ft., \$1 per ft.; 100 to 200 ft., 90 cts. per ft.; 200 to 500 ft., 80 cts. per ft., f.o.b. factory (customer pays transportation).

7A 5760 Spike Tamp

An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper and reverse by loosening one nut. Plates 9 in. square. Spikes 1 1/4 in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$6.50.



Tampers

Iron Sod Tamper. For laying turf and compacting sod after frost. The Tamper is square and is furnished with a 4-foot handle.

Size	Weight	
7A 5762 8 x 8-in.	14 lbs.	\$4 00
7A 5763 10 x 10-in.	18 lbs.	5 00

Water-Ballast Lawn Roller

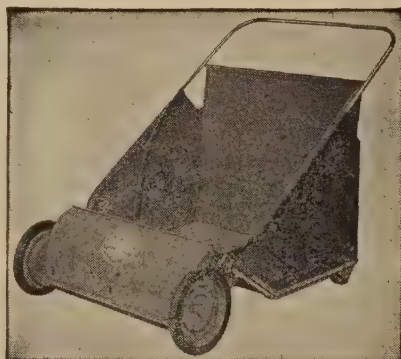


The drum has rounded edges which prevent cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

A Water-Ballast Roller makes a good lawn

	Diam.	Length	Weight empty	Filled with Water	Price
7A 5766	18 in.	24 in.	85 lbs.	265 lbs.	\$22 75
7A 5767	24 in.	24 in.	110 lbs.	420 lbs.	28 50
7A 5768	24 in.	32 in.	130 lbs.	566 lbs.	32 00

Springfield Lawn Sweeper



Operates with easy, whirling movement that lifts leaves, cut grass, sticks, stones or paper. Controls spreading of obnoxious weeds by collecting the seed. Makes a beautiful lawn. Precision built of cast aluminum alloy, non-rusting. Five brushes of heavy fibre securely fastened to ball-bearing reel assure economical upkeep and easy replacement. Brush adjustable for heavy or light sweeping of variable-height grass. Heavy canvas, metal-bottomed, collecting hopper, 5-bushel capacity, collapsible for easy storage. 7A 5055 Senior model, 28-in. sweeping width, \$46.50. 7A 5056 Junior model, 21-in. sweeping width \$29.95.

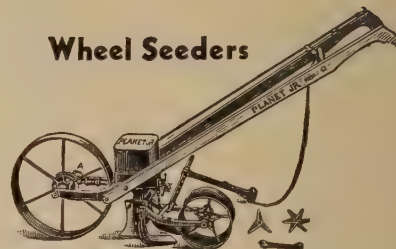


7A 5897

Celery-bleaching Tubes

The Handler is placed around the celery plant, the Tube is slipped in place and the Handler removed. Doz. 100 500
14 in. high \$0 75 \$4 50 \$18 50
Handler for use in placing tubes: 7A 5898 Brass, \$3.25; 7A 5899 Tin, \$1.35.

Wheel Seeders



7A 5343 Planet Jr. 4. Combined Seeder and Single Wheel Hoe. For a moderate-sized garden. Six tools in one machine. Hill dropping seeder, rapid row seeder, single wheel hoe, single wheel cultivator, furrower, and hand plow. \$27.25.

7A 5344 Planet Jr. 25. Combined Seeder and Cultivator. Single Wheel. Seed-box holds 2 1/2 qts. Combination includes 1 pair of 6-in. hoes, 4 cultivator teeth, a pair of plows for hilling against the rows, 2 leaf-guards, and 1 marker. \$33.65.

7A 5345 Dandy-Boy Seeder and Cultivator. Combines hill and drill seeder, single wheel cultivator and all necessary parts, plow or furrow opener and weeder. \$25.50.

7A 5348 Midget Seeder. (Not illustrated.) A mechanical device with a long handle, adjustable to sow any seeds from beans to lettuce. It opens up a furrow, sows accurately and closes the furrow. With handle off, may be attached to most wheel cultivators. \$7.50.

7A 5346

Cyclone Seeder

Broadcasts lawn and farm seeds, such as clover, timothy, red-top, alfalfa, rye, millet, wheat etc. Can be regulated to sow any amount per acre. Holds about 1/2 bus. \$3.75.



7A 5347 Sawco Seed Sower



It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. 65 cts.

Perfect Fruit Picker



7A 5230 Made of steel wire heavily galvanized. Prevents bruising of fruit. Can be attached to any pole. 75 cts.

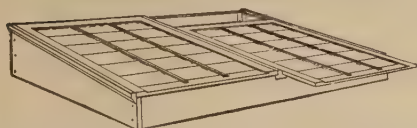
Hotkaps

Made of special wax paper, tent-like in shape, 11 inches in diameter at base. Protects plants from frost, retains moisture in soil, and brings crops into earlier maturity.



7A 5601 Pkg. of 25, with setter, 70 cts.
7A 5602 Pkg. of 100, with fibreboard setter, \$2.75.
7A 5603 Pkg. of 1000, Hotkaps only, \$13.50.

Hotbed Sash and Frames

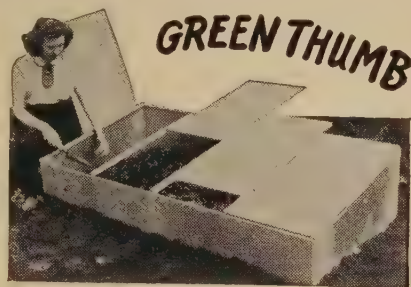


7A 5495 **Single Light Sash.** Standard 3 x 6 ft. Cypress. 10 x 12 in. double-thick glass. \$15.

Standard Hotbed Frames. High-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

Dimen- sions feet	Sashes held	Frame only	Frame and Sash
3 x 6	1	7A 5497 \$18 75	7A 5498 \$33 75
6 x 6	2	7A 5499 23 75	7A 5500 53 75
9 x 6	3	7A 5501 29 50	7A 5502 74 50
12 x 6	4	7A 5503 35 50	7A 5504 95 50
15 x 6	5	7A 5505 41 50	7A 5506 116 50
18 x 6	6	7A 5507 48 50	7A 5508 138 50

Customer pays transportation.



Seed Bed made of 22-gauge aluminum; self insulating. Plastic glazing admits ultra-violet rays; hailproof. Sash moves in "U" channels. This permits ventilation and removal with minimum effort. Packed knocked down, but easily assembled.

7A 5509 **Standard Model.** (Illustrated.) Measures 36 x 72 inches, 15 inches high at back, 9 inches at front. Weight 15 pounds. In four sections. \$20.95.

7A 5510 **Suburban Model.** (Not illustrated.) Similar construction; measures 36 x 36 inches. Weight 9 pounds. In two sections. \$12.75.

SOIL HEATING UNIT, GRO-QUICK.

An inexpensive assembly for heating a coldframe, complete with Thermostat.

7A 5458 **Jr. Model.** (40 ft. cable.) Sufficient to take care of 3 x 6 ft. \$6.75.

7A 5459 **Sr. Model.** (80 ft. cable.) Sufficient to take care of 6 x 6 ft. \$9.

Hotbed Mats



Olive duck on one side; other is 10-oz. burlap. Waterproof; rodent-proof; durable.

	Each	Doz.
7A 5493 40 x 80 in.	\$6 00	\$70 00
7A 5494 80 x 80 in.	10 00	110 00

Glazing Materials

7A 5470 **Cel-O-Glass.** Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays. Rolls 50 feet long and 36 in. wide. 13½ cts. per sq. ft. Less than rolls, 14½ cts. per sq. ft.

7A 5473 **Glass, Double Thick.** 50 sq. ft. to box. 10 x 12-in., 60 lights, \$11.50 per box.

7A 5475 **Liquid Putty, Sawco.** For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$6.

7A 5477 **Sawco Glazing Gun.** Trigger type. For applying glazing compounds. \$6.

7A 5479 **Putty Bulb, Sawco.** For applying liquid putty. \$1.50.

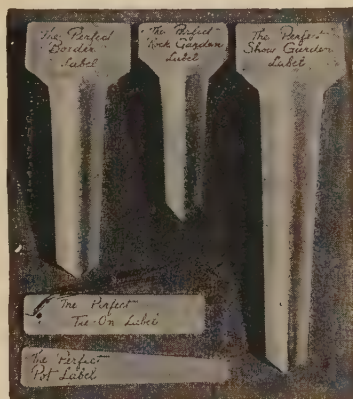
Greenhouse Shading. Powder form. Use 2 pounds to a gallon of water for either painting or spraying. 7A 5481 **White** 5 lbs. \$1.50, 25 lbs. \$6. 7A 5482 **Green.** 5 lbs. \$2, 25 lbs. \$8.

7A 5484 **Glazing Points.** In ⅝, ¾, and ⅞ in. (State size.) 1-lb. box 60 cts.

7A 5462 **Greenhouse White Paint.** Full-bodied, long-life White Paint that withstands cold, heat, and humidity. Gal. \$7.50

7A 5463 **Aluminum Paint.** High-quality, weather-proof; covers in one coat. For exterior and interior. Gal. \$6.

LABELS



PERFECT GARDEN LABELS. Pencil markings on them are weatherproof, but may be erased and the labels used again.

7A 5511 **Rock-Garden.** Face, 1¾ x ⅞ in.; length 4 in. \$1.15 per doz., \$2 for 25, \$7.90 per 100.

7A 5512 **Border.** Face, 2 x 1 in.; length, 5 in. \$1.25 per doz., \$2.40 for 25, \$9.25 per 100.

7A 5513 **Tie-On** (with copper wire). Face, 3½ x ¾ in. 65 cts. per doz., \$1.25 for 25, \$3.60 per 100.

7A 5514 **Show Garden.** Face, 2 x 1¼ in.; length, 7 in. \$1.50 per doz., \$2.90 for 25, \$11.25 per 100.

7A 5515 **Pot, Tapering.** Face, 4 x ¾ in. 55 cts. per doz., \$1 for 25, \$3 per 100.

POT or GARDEN LABELS

Wooden, Painted.

In. 100 1000

7A 5518 4. \$0 50 \$3 50

7A 5519 6. 75 4 00

7A 5520 8

x ⅞. 1 50 8 50

7A 5521 12

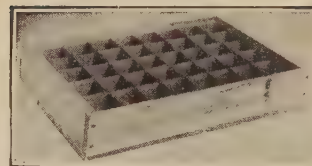
x 1½. 2 25 16 00

7A 5522 **Wired.** 3½-in.

Painted. 50 cts. per 100, \$4.25 per 1000.

7A 5526 **Label Pencils.** Heavy black; indelible. 15 cts. each, \$1.65 per doz.

Garden Flats



7A 5490 Made of select cypress Set-up. Size 12 x 18 x 3 in. deep. 75 cts. each, \$8.25 per doz. 7A 5491 Complete with 40 2-inch-square paper pots. \$1.25 each, \$13.75 per doz.

7A 5570 Square Paper Pots

Made of specially treated Kraft board. Eliminates waste. Come knocked down. 2-in., \$1.50 per 100, \$13.50 per 1000.

Paper Flower Pots, Neponset

RED—for shipping plants.

	Diam.	Doz.	100	1000
7A 5571	2¼ in.	\$0 25	\$1 20	\$8 00
7A 5572	2½ in.	30	1 30	8 50
7A 5573	3 in.	35	1 45	8 75
7A 5574	4 in.	40	1 75	12 50
7A 5575	6 in.	50	2 50	19 50

GREEN—for growing on where sandy loam is employed. Doz. 100 1000

7A 5578	2¼ in.	\$0 40	\$1 75	\$12 00
7A 5579	2½ in.	50	2 00	13 50
7A 5580	3 in.	65	2 50	15 00
7A 5581	4 in.	75	3 00	22 50

Plant Tubs



Made of ½-in. pine, painted green.

	Inside top diam.	Inside depth	Each
7A 5614	12 in.	11 in.	\$2 50
7A 5615	14 in.	13 in.	3 50
7A 5616	16 in.	15 in.	4 00

Iron Flower Vases

(Enamelled Green)

	Height	Top Diam.	Each	Doz.
7A 5621	10 in.	4¾ in.	\$1 50	\$16 50
7A 5623	13½ in.	6½ in.	1 65	18 00
7A 5625	17 in.	6½ in.	2 00	22 00

Green Rubber Saucers

Ridge in center permits free flow of water from bottom of pot. Absorbent pad in center releases water to plant when needed.

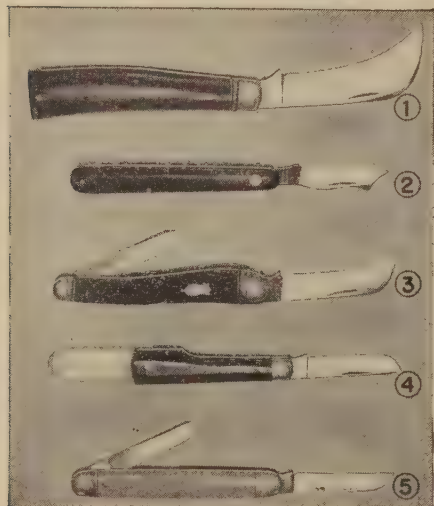
	Diam. at Bottom	Takes Pot	Each	Doz.
7A 5584	4 in.	Up to 6 in.	\$0 30	\$3 00
7A 5585	6 in.	Up to 8 in.	45	4 50
7A 5586	8¼ in.	Up to 12 in.	90	9 00
7A 5587	10¼ in.	Tubs up to 10¼ in. bottom diameter....	1 35	13 50



Watermat

Mats on which to stand flower pots. A compressed organic fibre takes up water by capillary action. Complete with rustproof saucer. 7A 5589 Small (fits 4- and 5-in. pots) 35 cts. 7A 5590 Medium (fits 5- and 6-in. pots), 40 cts.

Pruning, Budding, Hedge Clipping, Tree Surgery Requisites



KNIVES

Budding and Pruning

- 7A 5721 Strong Pruning Blade; Cocoa Handle (1).....\$3 00
 7A 5722 Budding Blade; Smooth Black Handle (2)..... 3 50
 7A 5723 Pruning and Budding Blades; Patent Stag Handle (3)..... 3 75
 7A 5724 Budding Blade with Ivory Budder; Stag Handle (4)..... 4 00
 7A 5725 Two Strong Budding Blades. White Handle. Steel Bolstered (5)... 4 00
 7A 5809

Syracuse Electric Hedshear



Cuts hedges, shrubbery, and grass. Cutters self-sharpening, revolving on endless chain. Cuts on either side of cutter-bar. Weight, 6 lbs. With 10-ft. Cord, \$39.95. 7A 5810 Extra 100-ft. Weatherproof Cord, \$9.50.

7A 5811 **Sunbeam Hedge Trimmer.** (Not illustrated). Sensational new electric Trimmer for hedges, shrubs, and ornamental trees. 12-in. cutlery steel blade, well balanced. Weighs 4¼ lbs. 110 V AC-DC motor fitted into the handle. On-and-off switch within easy reach. Precision made. With 10 ft. of cord. \$37.50. 7A 5812 Extra weatherproof rubber cord, \$9.50 per 100-ft. length.

7A 5813 **"Little Wonder" Hedge Trimmer.** (Not illustrated)

Hand operated. A well-designed machine for hedges beyond 200 ft. from an electric outlet. It cuts a hedge almost as fast as you walk, and in an hour or two will trim the top and two sides of a hedge 300 ft. long. This is from five to ten times as fast as hand work. The cutting blades are of high-grade steel, holding a sharp edge for a long while and trimming every variety of hedge grown. Use it for trimming, and not for "cutting back" a hedge, and it will last for years. 30-in. one-man Trimmer complete with shoulder strap, \$37.50.

Telephone Tree Pruner



A powerful Pruner designed for heavy duty. Will cut branches 1½ inches in diameter. Malleable Iron lever with pulley—rope pull. Flat steel coil spring. Price, head only, without pole and rope.

- 7A 5804 **Junior Model.** For light work....\$4 50
 7A 5805 **Senior Model.** For heavy work.... 7 50

Waters Tree Pruner

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

- 7A 5801 10-ft.....\$5 00
 7A 5802 12-ft..... 5 50
 7A 5803 Extra Knives, 50 cts.

Shrub and Tree Pruner.

A practical pruner with long reach for climbing roses, shrubs, briery bushes, young fruit trees. Prevent scratched hands and arms, climbing and bending over. Snap-cut anvil-action blade cuts branches up to ¾-in. diameter with ease. Comfortable pressed-steel handle, aluminum shaft, light weight. 7A 5798 4 ft. long, \$5. 7A 5799 6 ft. long, \$6.

POLES. For Pole Pruners. Made of selected seasoned wood. 7A 5806 10-ft., \$2; 7A 5807 12 ft. \$3; 7A 5808 16-ft., \$4. Customer pays transportation.

7A 5791 **Flower Gathering Shears.** Nickel-plated. Made to hold within its grasp stems of cut-flower. \$2.75

Shrub and Tree Pruner



Hedge Shears



Sawco

Sawco Domestic. Well made and of excellent quality. Each

- 7A 5789 9-in. blade with notch.....\$3 75
 7A 5790 6-in. blade. Plain..... 2 75



7A 5827 Grafting Chisel

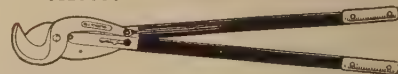
Makes clean splits and does not tear the bark. \$1.25.

All-Steel Tree Pruner



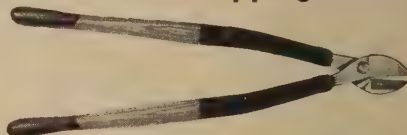
Strictly high-class Pruner. Light, powerful, and practical; cuts 1½-inch limbs with ease. 7A 5794 20-in., \$4; 7A 5795 28-in., \$5.

7A 5797 Forester Pruner



Heavy duty. Greater leverage of power slot promotes clear, easy cutting control. Cuts 1½-inch green wood. Length 27 inches. Weighs approximately 4 pounds. \$9.50.

7A 5796 Sawco Lopping Shears



A well-made heavy-duty draw-cut Shears, with brass anvil and high-tempered steel blade. Very easy cutting. An exceptional buy. Cuts branches 1 inch in diameter. Handles reinforced with steel ferrule one-third the length. Overall length 25 in. \$4.50.

7A 5792

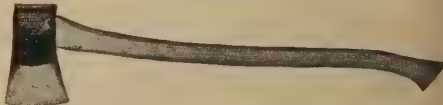
Wiss Flower-Cutter Holder



It cuts. It holds. It reaches. All aluminum. Weighs only 5 ozs., is 18 in. long. Ideal for the rose garden and arbor for cutting blooms and getting out of the way of thorns. Knife made of special tool steel. Operated by easy thumb-action lever. \$3.50.

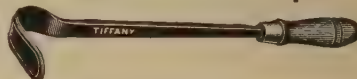
7A 5220

Collins Axe



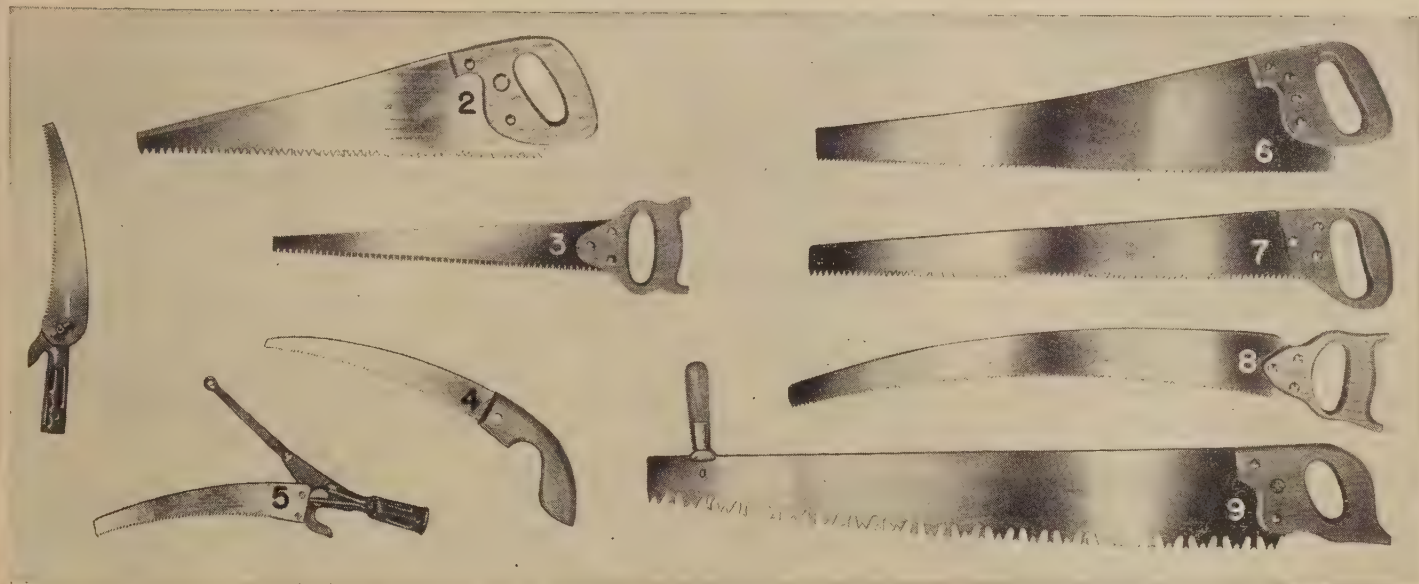
Full ground, full polished, made of fine quality hardened steel. Will stand up under hard usage. Handle 32 inch. Weight 3½ lbs. Head 8 in. long, 3¼ in. wide. \$3.

7A 5828 Sawco Tree Scraper



A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.75.

Pruning Saws, Shears, Thinning Hooks

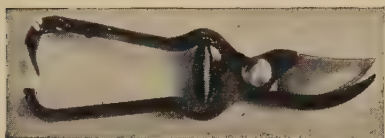


Saws

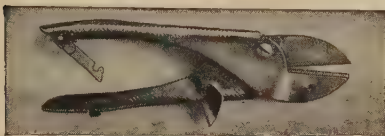
- 7A 5829 (No. 1.) **Pole Tree Pruner.** Peg teeth; fastened to casting with bolt and wing nut. Blade adjustable to three positions. Blade 16 in. long. Can be attached to pole of any desired length. Hook on casting to dislodge cut limbs. \$3.50.
- 7A 5830 (No. 2.) **Tuttle Tooth Saw.** Extra-sharp teeth, for hardwood cutting. 20-in. blade, \$3.85. 7A 5831 24-in. blade, \$4.50.
- 7A 5832 (No. 3.) **Duplex Saw.** Lightning teeth on one edge and fine cutting teeth on the opposite edge. 18-in. blade, \$2.65.
- 7A 5833 (No. 4.) **Folding-Handle Saw** with fine cutting teeth. Ideal for carrying in the pocket. Handle fastened to blade with wing nut and rivet. 12-in. blade, \$2.25.

- 7A 5834 (No. 5.) **Triple-Duty Pole Saw.** Combination pole saw, pruner and hook. Cuts limbs up to 1½-in. diam. 12-in. blade, \$6.75.
- 7A 5835 (No. 6.) **Sawco Cross-cut.** An all-round, general-purpose saw for the home and garden. 26-in. blade, \$5.75.
- 7A 5836 (No. 7.) **The Forester.** 1½ in. wide at point, 3½ in. wide at butt. Extra-large peg teeth. Will not bind. 26-in. blade, \$3.75.
- 7A 5837 (No. 8.) **Paragon Saw.** A curved blade with teeth on concave edge. Rip teeth cut on the pull. 22-in. blade, \$2.75.
- (No. 9.) **One-man Crosscut Saw** with sharp tuttle teeth for fast cutting. Particularly good for hardwood. 7A 5838 3-ft. blade, \$5.50. 7A 5839 4-ft. blade, \$6.75.

Pruning Shears



Sawco Solid Steel. Made of crucible tool steel. Tempered and fully polished. Ratchet nut keeps Shears properly tightened. 7A 5814 8-in., \$3.75; 7A 5815 9-in., \$4.



Snapcut. A light-weight Pruning Shears with draw-cut blades. 7A 5817 Small, 6-in., \$1.89. 7A 5816 Large, 7¾-in., \$2.50.



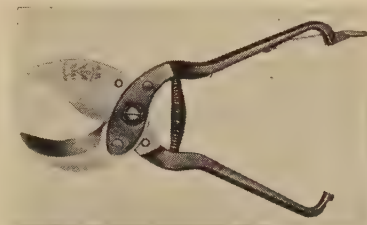
7A 5858 **Alligator Pruning Shear (One-hand).** 14 in. long. Light weight. Ideal for cutting in and around rose bushes and other thorny plants. \$1.50.



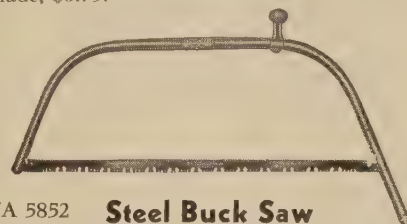
7A 5818 **California Pattern.** Made of fine cutlery steel. Length 8½ in. \$1.75.

7A 5819 **Chrome** (Not illustrated). Ladies'; practical. 7-in., \$3.75.

Parker Lightweight Shears. Anvil cutting action; patented thumb catch. 7A 5854 Small size, 6½-in., \$1.75; 7A 5855 Large size, 8½-in., \$2.25.



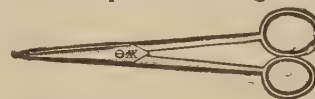
7A 5856 **Crown Secateurs.** Double-cut, razor-sharp, for clean no-bruise cutting. British made of Sheffield steel by the Wilkinson Sword Co., world's leading cutlery. 8 in. long. \$6.25.



7A 5852 **Steel Buck Saw**

A fast-cutting utility Saw for around the farm, camp or home. Special blade for hardwood cutting. Frame made of lightweight, extra-strength tubing, to prevent losing tension on the blade. Blade 32 in. long. Weight 3½ lbs. \$5.50. 7A 5853 Extra blades, \$1.75 each.

7A 5793 **Grape-thinning Shears**



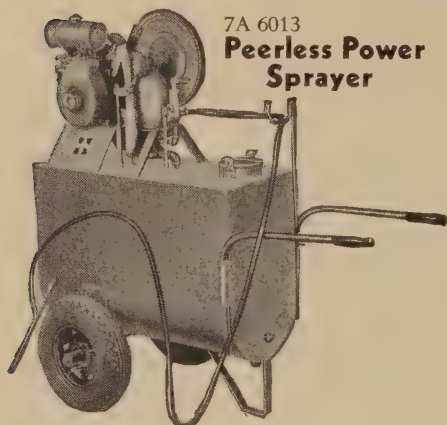
Excellent for trimming grape-vines and many other plants. Made of high-grade cutlery steel, chrome plated. 7 in. long. \$3.50.

Berry or Thinning Hook



7A 5124 For thinning out berry bushes and shrubbery. Fine for sprouts and suckers. \$2.

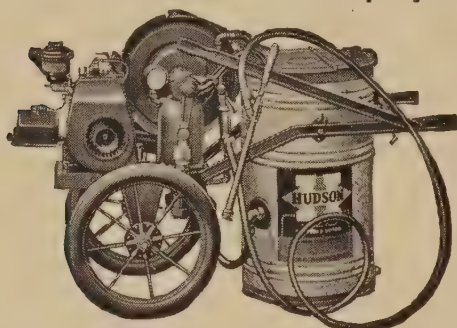
Hand Sprayers, Power Sprayers for Pest Control



7A 6013
**Peerless Power
Sprayer**

A very handy power unit with capacity and volume of discharge to do a job quickly. Full pneumatic-tire wheels 16 x 4 absorb the shocks and bumps of rough-going; will not mar the surface when working on lawns, golf greens and gardens. Equipped with 1½ H.P. Lauson 4-cycle air-cooled engine (discharges 2 GPM. Develops 250 lbs. pressure). Steel welded tank, 50-gal. capacity. Furnished with 25 ft. of ¾-in. oil- and chemical-proof hose and single-nozzle, adjustable spray gun. \$267.

7A 6014 **Defender Power Sprayer**



Here is a power sprayer that has compactness, high pressure and portability for many uses on farms, nurseries, truck gardens, parks and estates. Equipped with 15-gal. heavy steel tank with ¾ H.P. Briggs & Stratton 4-cycle air-cooled engine. Develops 200 lbs. pressure discharging at 1½ GPM. Semi-pneumatic tires, 16 x 2. Furnished with 10 ft. of ¾-in. oil- and chemical-resistant hose and single-nozzle adjustable spray gun. \$174.

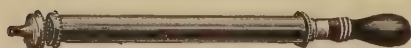
Orchard Spray Gun



7A 6046 For Small Units (discharging 1½ gals. per minute), \$6.

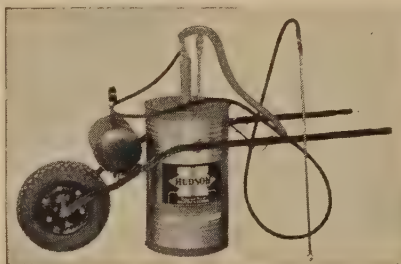
7A 6047 For Large Units (discharging 3 or more gals. per minute), \$10.95.

7A 5992 Brass Syringe



Barrel 18 in. long, diam. 1½ in. One coarse and one fine Spray Rose and one Stream Jet, with Patent Valves and Elbow Joint for sprinkling under the foliage. Weight 5 lbs. \$13.50.

7A 6019 **Ideal Sprayer**



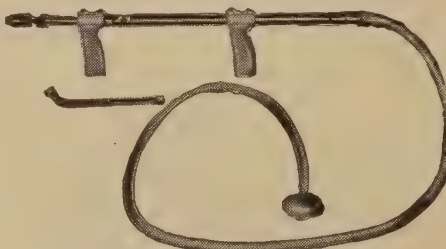
A heavy-duty, wheelbarrow-type sprayer for the orchard, farm, nursery or florist. 15-gal. hinged covered tank mounted on strong steel frame. Semi-pneumatic tires. Pump has capacity for two leads of hose at working pressure of 200 lbs. Metal agitator. Furnished with 10 ft. of hose, 3-ft. extension tube fitted with spray-control valve and brass nozzle and heavy-duty welded pressure tank. \$56.80.

7A 6021 **Sunshine Sprayer**



A handy wheelbarrow sprayer that develops 250 lbs. pressure. Easy portability for all types of spraying work in the garden, orchard, poultry house and nursery. 15-gal. tank. Hard rubber-tired wheel. Equipped with 6 ft. of hose, 2½ in. extension spray tube, automatic spray control valve with lock-open device and brass spray nozzle. \$32.

7A 6023 **Trombone Sprayer**



For jobs requiring continuous high pressure and long range for trees, vines, automobiles and many other uses on the farm. Cast aluminum hand grip, completely adjustable nozzle from fog to stream. Will rifle a stream 35 to 40 ft. Hand grips make for easy operation and better control of spray. Equipped with 6-ft. hose, heavy strainer to hold hose in pail (clip holds strainer in place.) High speed, extreme pressure. Gun-type unit. Finest workmanship, non-leaking. \$7.60.

Presto-Seal Sprayer



No possibility of leakage. As you pump, you seal. No necessity for removing pump cylinder for emptying or filling. Tank completely seam-welded top, bottom and side. Maximum pressure with minimum pumping effort. Furnished with 2-ft. extension rod, rubber-packed felt pad carrying strap. All-angle spray nozzle and a complete set of spray discs for various spraying jobs. Trigger-quick spray control valve machined from solid brass.

7A 6025 4-gal. zinc-coated tank. . . . \$12 80

7A 6026 4-gal. stainless steel tank. . . 22 00

7A 6027 2½-gal. zinc-coated tank. . . 10 40

Hand Sprayer Parts

When ordering kindly describe Sprayer

7A 6031 Auto-Pop Nozzle. \$0 75

7A 6032 24-in. Brass Extension. . . . 80

7A 6033 36-in. Extension. 1 00

7A 6034 48-in. Extension. 1 20

7A 6035 Auto-Pop Nozzle complete with Shutoff and Rubber Hose. . . 2 25

7A 6036 Shutoff; no Nozzle or Hose. . 1 00

7A 6037 Bordo Nozzle. 1 50

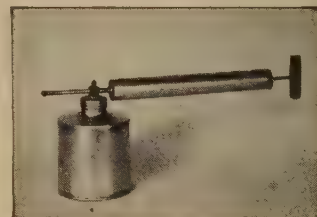
7A 6038 Adjustable Spray Nozzle. . . 1 50

7A 6039 Three-Nozzle Boom. 4 00

7A 6040 Leather Cup Washer. 15

Spray Hose. High pressure. Best quality. ¾ or ½ in. 7A 6043 Maximum pressure 300 lbs., 30 cts. per ft. 7A 6044 Maximum pressure 500 lbs., 40 cts. per ft. Extra for fittings.

Sawco Compressed-Air Sprayer



The most perfect small hand Compressed-Air Sprayer made. Delivers a continuous fog-like spray. Is fitted with straight and adjustable nozzles making a perfect **under-leaf Sprayer**. Holds 1 qt.

7A 5998 Brass Pump and Copper Tank \$3 00

7A 5999 All Tin. 1 50

7A 6000 Tin Pump, Brass Fittings, Glass Tank (Not illustrated). . . . 1 75

Sprayers, Dusters, Thermometers, Soil-Testing Outfits

Knapsack Sprayer



For continuous high-pressure spraying. 4-gal. tank. Can be discharged at uniform 80-lb. pressure. Two double paddle agitators. Diaphragm-type pump and brass compression chamber. Bronze ball valves; removable tubular copper strainer. Handle interchangeable from right to left without removing pump from back. Furnished with 5 ft. oil- and chemical-resistant hose. Solid brass control valve. 22-in. brass extension tube and an all-angle nozzle with discs for all types of spraying. 7A 6016 Zinc-coated tank, \$29.60. 7A 6017 Copper tank, \$39.20.

7A 5994

Rubber Plant Spray

Used for watering plants and washing the foliage. Straight-neck. 12-oz. \$1.50.



7A 5996

Bronx Bottle Sprayer

Nozzle throws powerful, broad mist. Can be sprayed in any direction. Pint size \$1.50.

7A 6029

New HUDSON 2-4-D Sprayer

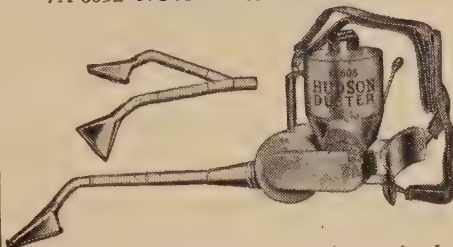
Now you can get rid of weeds by simply walking over your lawn. Just fill this Hudson Sprayer with 2-4-D and push it over the grass. Corrosion-proof lifetime copper tank. Easy-working pump. Oil- and chemical-proof hose. Light and rugged aluminum cart. Rubber-tired wheels. \$20.80 Complete.



7A 6050 Admiral Duster

For dry powder insecticides and rodent controls. Capacity 1 lb. Long extension tube. Swivel nozzle dusts at any angle. \$1.55.

7A 6052 Roto-Power Duster



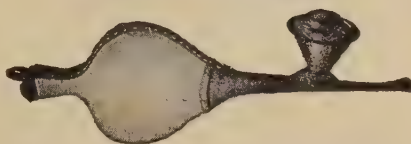
A high-velocity crank duster for use in the field for applying most dusts. Will not clog or choke. Equipped with straps for carrying on shoulders. Includes three 15-in. telescoping tubes adjustable to any width or angle and two fan-shaped, self-cleaning, adjustable nozzles. Holds from 12 to 25 lbs. of powder. \$20.

7A 6054 Stauffer Duster.

For dusting turf, grapes, berries, trees and all crops. Will handle any dry insecticide or fungicide. Padded back rest and shoulder strap. Holds 18 to 20 lbs. Easy-operating hand lever and hand-operated feed lever. Can be controlled for puff or blast. DuPont belows. \$29.95.



Woodason's Bellows



For dusting plants with dry powders. Single Cone. 7A 6057 Small size \$6; 7A 6058 large size \$7.50.

7A 6060

Dust Respirator

Approved by the Bureau of Mines for use in conjunction with all types of dusts and sprays including Arsenate of Lead. \$3.



7A 6003 Speedway Sprayer. A new electric paint sprayer. Ideal for reed furniture, metal and wood chairs, window screens, painting the car, etc. 24-oz. glass tank. Spray head is adjustable. Equipped with 4 ft. of hose, shutoff valve and located switch. Weighs less than 4 lbs. 110-120 volt universal motor. Easily adjusted carrying strap. Complete with 10 ft. of electric cord. \$34.95. 7A 6004 Extra 100 ft. of Cord with fittings (underwriter's approved). \$9.50.

Sudbury Soil-testing Outfits



De Luxe Kit

Tests for nitrogen, phosphorus, potash and acidity.

7A 5902 Home Garden Kit. (Four tests) \$2 50
7A 5903 Club Kit. (Makes 10 tests) 4 75
7A 5904 Horticultural Kit. (Makes 60 tests) 12 50
7A 5905 De Luxe Kit. (Makes 200 tests) 22 50

7A 5232 Bulb Planter



The tapered cup removes soil and makes a perfect planting-hole in one operation. Junior, 75 cts. each. 7A 5233 Long handle model \$6.

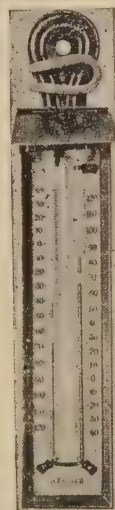
Thermometers

7A 5607 Self-registering. (Siege's Pattern.) Copper case, white figures. Maximum and Minimum. 10-in., \$8.85, with magnet.

7A 5608 Black tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above. 10 in., \$3.

7A 5609 Finished in Aluminum. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit) 8-in., \$1.10.

7A 5610 Hotbed. Pointed wood. Brass oxidized scale, white figures. Best grade, spirit-filled bulb chamber. 15-in., \$3.50.



Hose, Hose Accessories, Watering Cans

HOSE Greenlawn



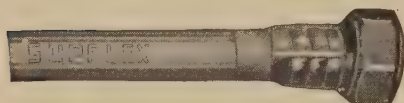
Rubber. A heavy-duty two-braid corrugated green Hose of high quality. $\frac{3}{4}$ -in. 7A 5658 50-ft. length \$18. 7A 5659 100 ft., \$30.

Wayahead



Rubber. Special heavy duty. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth black cover. $\frac{3}{4}$ -in. bore, 7A 5661 25 ft. \$8. 7A 5662 50 ft. \$15. 7A 5663 100 ft. \$28.

Suplex Plastic Hose



A superior plastic hose, aluminum color, $\frac{5}{8}$ -in. bore, that is mildew-proof, sun-proof and will withstand freezing temperature. Smooth performance eliminates friction loss. $\frac{3}{4}$ -in. fittings. 7A 5666 25 ft. \$5.75. 7A 5667 50 ft. \$9.95.

7A 5671 Flaring Rose Hose Nozzle

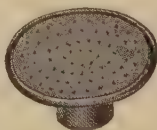
Ejects a fan-like gentle spray. For watering seedlings and newly planted grass-plots. Stamped grass, \$1.25 each.



7A 5673 Justrite Hose Nozzle



Gives a copious spray or full stream. Made of brass. 90 cts.



7A 5675 Florist Nozzle. Cast brass; 4 inches round. $\frac{3}{4}$ -in. Delivers a fine rain. \$2.50.

7A 5677 Stott's. (Not illustrated.) Gives a very fine mist spray. Splendid for reaching under foliage to exterminate red spider. Single, \$3.25, double, \$5.



7A 5680 Quik Coupler

Made of brass. One end fastens to the faucet, the other end to the hose. Can also be used for connecting two pieces of hose. Push-in and pull-out feature eliminates awkward screw-on method of attaching hose. Has a swivel action to eliminate twisting. \$1.

7A 5682 Evertite Hose Coupling. No threads. No leaks. No kinks. Instantly applied. Simple, durable, and tight. Can be used on faucet, also between lengths of hose and on lawn sprinklers. Washers countersunk so they won't come out. 50 cts. each.

Hose Accessories

Siamese Hose Attachment. 7A 5705 Permits use of two leads of hose at one time. $\frac{3}{4}$ -in., \$1.50.

Hose Clamps or Bands. 7A 5703 $\frac{1}{2}$ - and 7A 5704 $\frac{3}{4}$ -in. sizes, 15 cts. each, \$1.50 per doz.

Regular Hose Couplings. Easily applied. 7A 5684 $\frac{1}{2}$ - and 7A 5685 $\frac{3}{4}$ -in., 45 cts. each, \$4.50 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, or wire. 7A 5687 $\frac{1}{2}$ - and 7A 5688 $\frac{3}{4}$ -in., 50 cts. each, \$5 per doz.

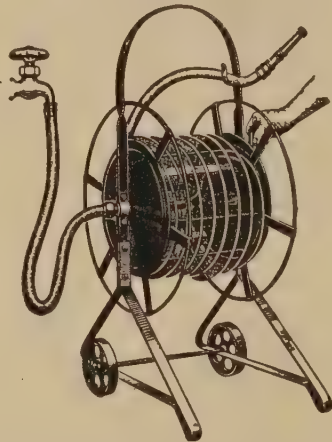
Perfect Clincher Hose Mender. 7A 5691 $\frac{1}{2}$ - and 7A 5692 $\frac{3}{4}$ -in. sizes, 25 cts. each, \$2.50 per doz.

Gooseneck Swivel. 7A 5707 Prevents kinking; turns all ways. 85 cts.

Hose Washers. 7A 5709 For $\frac{3}{4}$ -in. hose. 10 cts. per doz.

Sykes Hose Holder. 7A 5712 Made of twisted wire. Rust-resistant. Fits $\frac{1}{2}$, $\frac{5}{8}$, and $\frac{3}{4}$ -in. hose. 50 cts.

7A 5717 Salem Real-Reel



The finest Hose Reel made. Holds up to 150 ft. of $\frac{3}{4}$ in. hose. Simply connect the 5-ft. accessory hose to your faucet, and water will pass through hose as it reels off. Sturdy, durable, all-metal construction. No dragging, no kinking, no twisting. Complete with 5 ft. accessory Hose only, \$14.95.

7A 5145 Tool Holder Steel



Ideal for hanging tools in your garage or barn. Extends 13 inches out and width is 3 inches. Notched for five tools. 90 cts.

7A 5714 Goldsmith Hose Rack

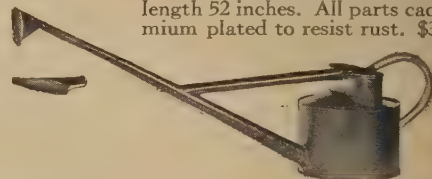


A hose-preserver, since the hose hangs on the Rack in large, natural coils, thus preventing kinking and twisting. \$2.

7A 5742 Water Wand Irrigator



Releases water in a steady, yet gentle flow at base of plants. Provides maximum amount of water with minimum waste. Water is left motionless to sink deep into the soil. Connects to your garden hose. Long handle permits watering flower-beds without stepping on soil or trampling flowers. Overall length 52 inches. All parts cadmium plated to resist rust. \$3.



Haw's Pattern Watering Pot. A copy of the Imported Haw's Watering Pot. A well-balanced heavy metal Pot, which we furnish with two roses—one fine and the other coarse. Painted maroon, 7A 5640 6-qt., \$14.95; 7A 5641 8-qt., \$15.95; 7A 5642 10-qt., \$17.95.

Sawco Watering Pot



7A 5645 A hand-made durable round Watering Can made of 26-gauge galvanized steel, reinforced double bottom and steel top. Heavy copper tube $\frac{3}{4}$ -inch handle from front to back. Long spout furnished with two roses, fine and coarse. Capacity 12 qts. \$12.50 each, 7A 5646 Extra Roses \$1.50 each.

Warren-Church Watering Pots

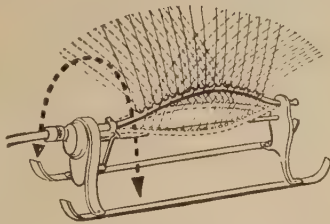
(Not illustrated.) Made of heavy gauge galvanized iron. Short spout. Rose attached firmly with screw joint, cap removable for easy cleaning. 7A 5652 8-qt., \$2.25; 7A 5653 10-qt., \$2.75; 7A 5654 12-qt., \$3.25.

Handy Watering Pot

7A 5649 Ideal for watering indoor plants. Made of metal; enameled jade green with flower design. Capacity, 2 qts. 15 in. wide, 9 in. high, spout 8 in. long. \$2.25.

Sprinklers, Irrigation Requisites, Tree Augers, Weeders, Fence

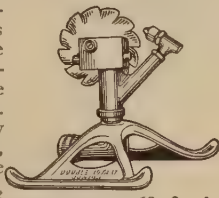
7A 5735 Avon Sprinkler



A fan-type Sprinkler that will water a rectangular area 60 by 30 ft. All parts made of non-corrosive metal. Will operate on a minimum of 20 lbs. pressure. \$15.

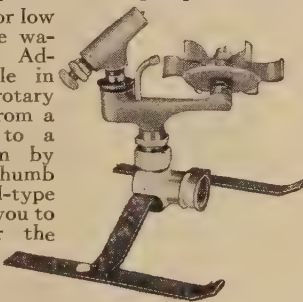
7A 5737 Junior Rotary Sprinkler

A very efficient Rotary Sprinkler plus the stationary feature which permits sprinkling in a straight line as well as in a circle. Gives a mist-like spray for seeded ground, rain-like performance for flowers, vegetables, lawns and shrubs. Covers up to 60 ft. in diameter depending upon pressure. \$9.



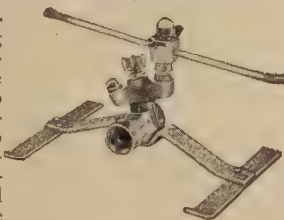
7A 5731 Dayton Rotary Sprinkler

Designed for low and moderate water pressure. Adjustable while in operation for rotary spread and from a light spray to a heavy stream by means of a thumb screw. Sled-type base enables you to pull it over the lawn without tearing up the turf. Covers up to 75 feet in diameter with 40 pounds pressure. \$9.



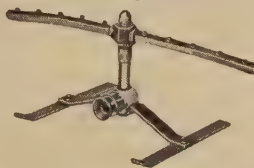
7A 5733 Dayton 3-Way Sprinkler

Three different sprinkling heads combined in one unit. Easy to operate, changing from one to another position instantaneously; no tool needed. Can be regulated to spread from a few feet up to 28 feet. Half-spray adjustment ideal for narrow spaces, curbed strips, etc. \$7.

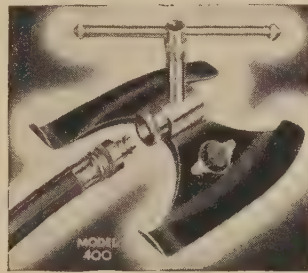


7A 5728 Dayton No. 12 Sprinkler

This combination Sprinkler revolves and is adjustable to cover squares by setting both arms in the same direction with a lock nut. For rotary sprinkling, covers approximately 45 feet in diameter. For square sprinkling, covers an area 12 feet wide. \$6.50.

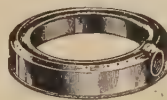


7A 5739 Crescent Sprinkler



Adjustable head provides low and high spray. Gives excellent performance and water coverage. Furnished with a brass Hosnap Coupler. \$3.75.

7A 5729 Ring Lawn Sprinkler



Made of heavy gauge sheet brass; 8½ inches in diameter; ¾-inch connection. Throws a well-distributed spray. \$1.50.

Soil Soaker Hose

Made of porous canvas, 2 inches in diameter. Water seeps through pores; no spray. Equipped with regular hose connection for attaching to hose or pipe.



7A 5744 18 ft., \$2.25
7A 5745 30 ft., 3.25
7A 5746 50 ft., 5.25

With this device you can water your plants at their roots and can give them plant-food at the same time. The ½-inch diameter, 36-inch tube has three discharge openings 6 inches from point. Equipped with shutoff to control flow of water and a cartridge chamber for feeding, with twelve Cartridges, \$3.50. 7A 5679 Extra Plant Food Cartridges, \$1 per doz.

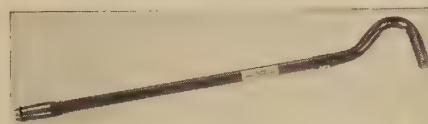


7A 5678 Ross Root Feeder

7A 5741 Tree Auger

An ideal tool for boring holes in the ground for feeding trees. Bore holes 2 inches in diameter, 18 inches deep. \$5.

Rifle Weeders



Looks like a cane. 34 inches long. Positive trigger control operates at squeeze of fingers. Ejects weed automatically. \$3.95.

Weed Destroyer



End Section

Noxweed Cane

7A 5781 Made of tubular brass. Holds about 6 ounces of liquid. Ejects a fluid by drops from needle point that will destroy Dandelions, Plantains, and many other weeds. No stooping, no digging, no holes in the lawn. Gun complete with 1 qt. Liquid, \$2.50. 9A 7599 Extra Liquid, 85 cts. per qt.

Weeders



7A 5783 Dandelion and Lawn. For dandelions and other weeds in the lawn. Bent, V-shaped blade, 3-ft. handle. 75 cts.



7A 5785 Jiffy Wonder Weeder. Pulls weeds out by the roots quickly and easily. \$2.50.

Weeding Knife



7A 5787 For removing weeds from lawns and cutting Asparagus. V-shaped. 65 cts.



Warren-Church Cedar Fence.

Made of split cedar poles spaced ¼ in. apart. Furnished in rolls 16 ft. long. Gates to match. Upright posts and horizontal

to support fence available as noted.

Height	Plain Per lineal feet	With Posts and Rails Per lineal feet
3 ft.	7A 5361 \$0 95	7A 5362 \$1 25
4 ft.	7A 5363 1 05	7A 5364 1 40
5 ft.	7A 5365 1 20	7A 5366 1 60
6 ft.	7A 5367 1 45	7A 5368 1 85
3½-ft. wide Walk-Gates		
3 ft.	7A 5357.....	\$11 00
4 ft.	7A 5358.....	11 50
5 ft.	7A 5359.....	13 50
6 ft.	7A 5360.....	15 00

Sawco Woven Wood Fence. Split white cedar; 5-ft. sections. Gates to match.

Height	Plain Per lineal feet	With Posts and Rails Per lineal feet
3 ft.	7A 5369 \$1 10	7A 5370 \$1 50
4 ft.	7A 5371 1 25	7A 5372 1 65
5 ft.	7A 5373 1 70	7A 5374 2 10
6½ ft.	7A 5375 1 85	7A 5376 2 25
3½-ft. wide Walk-Gates		
3 ft.	7A 5381.....	\$13 00
4 ft.	7A 5382.....	13 50
5 ft.	7A 5383.....	14 00
6½ ft.	7A 5384.....	16 00

Customer pays transportation on Fences and Gates.

Plant Stakes, Twines, Twists, Paper, Wall Nails, Plant Protectors, Sieve, Window Boxes



PLANT STAKES, WOOD

A—Square Stakes, Green.			
	Doz.	100	
7A 5541 4 ft. x 7/8 in.	\$1 75	\$15 00	
7A 5542 5 ft. x 7/8 in.	2 25	18 50	
7A 5543 6 ft. x 7/8 in.	2 75	20 00	
7A 5544 7 ft. x 1 in.	3 50	23 00	

B—Plant Stakes, Green. Light, square.			
	Doz.	100	
7A 5547 3 ft. x 3/8 in.	\$1 25	\$8 00	
7A 5548 4 ft. x 3/8 in.	1 50	10 00	
7A 5549 5 ft. x 3/8 in.	1 80	13 50	

PLANT STAKES, CANE

C—Bamboo Tonkin Canes. Natural.			
	25	100	
7A 5551 4 ft. in. to 3/4 in. diam.	\$2 00	\$7 50	
7A 5552 5 ft.	3 00	8 50	
7A 5553 6 ft.	4 00	12 00	

D—American Bamboo, Dyed Green. For staking gladiolus, annual flowers, etc., in the garden. Uniform pencil thickness.			
	100	1000	
7A 5555 2-ft.	\$1 25	\$9 00	
7A 5556 3-ft.	1 75	13 50	
7A 5557 4-ft.	2 25	17 50	
7A 5558 5-ft.	2 75	21 50	

7A 5546 **Bean Poles** (with bark on). 8 ft. long; 2 to 2 1/2-in. butt. Also ideal for supporting blackberries, raspberries, boysenberries, etc. 35 cts. each, \$3.50 per doz. Customer pays transportation.

Adjusto Plant Supports. Sturdy hardwood stakes, 7/8-in. square, with a strong wire support adjustable to any height.

	Each	Doz.
7A 5537 4-ft.	\$0 30	\$3 50
7A 5538 5-ft.	35	4 00
7A 5539 6-ft.	40	4 50

Galvanized Wire Stakes.

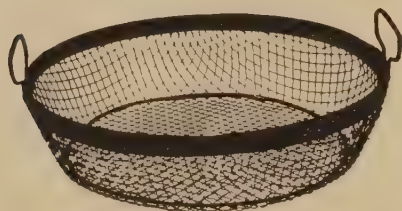
	Doz.	100	1000
7A 5533 3-ft.	\$0 40	\$2 50	\$18 75
7A 5534 4-ft.	50	3 30	24 75
7A 5535 5-ft.	60	4 00	30 00

Hyacinth Stakes. Painted green.			
	100	500	1000
7A 5531 18-in.	\$1 00	\$3 50	\$6 00

7A 5532 **Carnation Supports.** One ring only. 25 for \$2, \$6 per 100.

7A 5907

Soil Sieve



A fine, 8-mesh sieve for screening soil for window boxes, flower pots, covering grass seed, and for general use in the garden and home. Holds about 25 lbs. of soil. 13 1/2 in. top diam.; 11 1/2 in. bottom diam., 3 1/2 in. deep. Green enamel finish. \$1.35.

Twines, Tape, Raffia

Silkline. 7A 5966 F, fine; 7A 5967 FF, medium; 7A 5968 FFF, coarse. Spool 50 cts., box of 8 spools \$3.75.

7A 5970 **Binder Twine.** Approximately 7 1/2 lb. balls \$4.

7A 5972 **Bouquet Twine.** White. 2 3/4-oz. ball 25 cts., lb. \$1.50, 5 lbs. \$6.50.

7A 5974 **Green Tying Tape.** 1/4-in. wide. 100 ft. to a Spool. Spool 35 cts.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. 7A 5976 **Natural.** 1/2-lb. ball 40 cts., 3 balls \$1.10, 12 balls \$3.50. 7A 5977 **Green.** 1/2-lb. ball 50 cts., 3 balls \$1.40, 12 balls \$5.

7A 5978 **Twine, Sea Island Cotton.** Green. Ball 20 cts.; box of 12 balls, \$2.

7A 5979 **Tarred Yarn.** Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 80 cts., 5 balls \$3.75.

7A 5981 **Raffia, Natural.** For tying plants. 1/2-lb. 50 cts., lb. 90 cts., 5 lbs. \$4.

7A 5982 **Dyed Green.** 1/2-lb. 90 cts., lb. \$1.75.



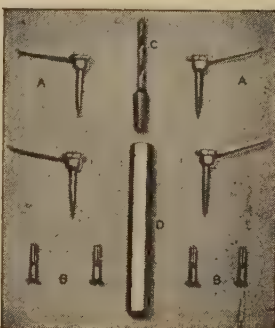
Plant-Twists. Dyed green. Non-injurious to plants. A simple twist of the hand and the plant will stand. 7A 5985 7 inches long, 15 cts. for 25; 50 cts. per 100. 7A 5986 12 inches long, 30 cts. for 25; \$1 per 100. 7A 5987 **Twistems.** 8-in. Pkg. of 125, 35 cts. 7A 5989 **Wire, Annealed.** No. 22. In 12-lb. coils. \$4.50 per coil.

Paper for Florists' Use

7A 5956 Wax, White, 18 x 24 in. Ream	\$3 00
7A 5957 Wax, White, 24 x 36 in. Ream	4 50
7A 5958 Wax, Green, 18 x 24 in. Ream	3 50
7A 5959 Wax, Green, 24 x 36 in. Ream	5 00

Wrapping Paper, Kraft, in rolls. Per roll
7A 5962 30-in. (approx. 45 lbs.) ... \$12 50
7A 5963 36-in. (approx. 54 lbs.) ... 15 00

Vyn-Tach Hooks



Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry. 7A 5562 Complete set of 25 Hooks, 25 Shells with Drill and Drill-holder \$2.25. 7A 5563 Complete Set of 100, \$6.50.

7A 5564 Without Drill and Drill-holder, \$1.75 for 25, \$5.50 per 100.

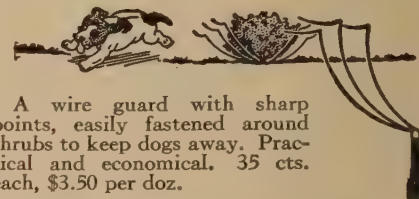
7A 5565 **Vyn-Tach Hooks for Wood.** 25 Vyn-Tach Hooks, \$1.25; 100 Hooks, \$4.50.

7A 5569 "Beat All" Wall Nail

For training vines, ramblers, etc. Made of metal with pliable lead tip which can be bent to any desired position. 1 1/2 in. long. 75 cts. per doz., \$5 per 100.

7A 5861

Shrub Protector



A wire guard with sharp points, easily fastened around shrubs to keep dogs away. Practical and economical. 35 cts. each, \$3.50 per doz.

Cutworm Guards

7A 5595 Heavy black paper treated to protect plants from cutworms. Folds and fit into slot to form collar. 35 cts. for 50, 60 cts. per 100.



Cabbage Maggot Protectors

7A 5597 For cabbage, cauliflower, and broccoli plants. Prevents maggot fly from laying eggs at base of stem. Pkg. of 24 for 20 cts., 96 for 75 cts.



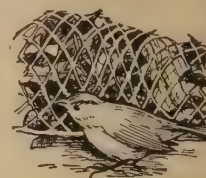
Plant Bands

7A 5593 Square 2-inch nutrient-treated paper bands for potting seedlings. Open bottoms. To be used in flats or wood boxes. Weather-proof, mold-resistant. Pkg. of 30, 35 cts.; \$1 per 100.

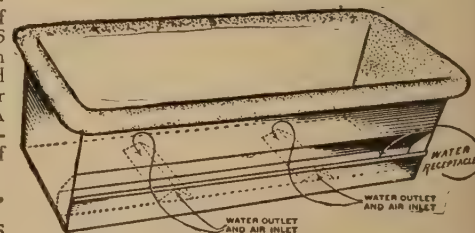


Bird Netting

7A 5600 For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, 30 ft. wide. Cut to any length desired \$4.50 per 100 sq. ft.



Window Boxes

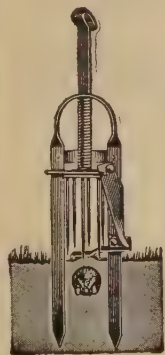


Made of galvanized sheet metal. Painted green. Each

7A 5627 24 x 7 x 6 in. deep	\$3 75
7A 5628 30 x 7 x 6 in. deep	4 50
7A 5629 36 x 7 x 6 in. deep	5 50
7A 5630 42 x 7 x 6 in. deep	6 50
7A 5631 48 x 7 x 6 in. deep	7 50

Japanese Beetle Trap

7A 5865 **Type 4.** Most recent Trap developed. Rust-resisting, galvanized steel, enameled green and white. Complete with can of bait (no jar) \$1.85. 7A 5866 Extra can of bait 75 cts. 7A 5867 Steel rod for hanging, 75 cts.



7A 5869 Victor Mole Trap

A spear type which harpoons the mole, causing instant death. Six prongs. 16 3/4 in. extreme length. \$1.75.

Havahart Animal Trap



Made of steel and screened wire. Very easy to set. Harmless to animals. 7A 5872 7 x 7 x 24 in. (for Muskrats, Mink, Rats, Chipmunks, Weasels, Squirrels, Rabbits), \$4.50. 7A 5873 11 x 11 x 36 in. (for Woodchuck, Raccoon, Opossum, Cats), \$10.50. 7A 5874 **Special Fox Trap** with live bait compartment. \$20.



Flame Gun

7A 6011 For burning weeds, disinfecting poultry houses, thawing frozen pipes, melting ice and snow, splitting large rocks and boulders, burning tree stumps, sterilizing infected soil, destroying weeds in stone walls, driveways, tennis courts, destroying insect pests such as grasshoppers, locusts, caterpillars, chinch-bugs, etc. \$23.90.

7A 5863 Torch

Asbestos. Attach to the end of a pole, saturate with kerosene, light, and hold under the caterpillars' nests, passing quickly along the branches. Without pole, 60 cts.

7A 5275 Sawco Rack Cart

All metal, all welded, finely balanced Cart for club grounds, private estates, parks and beaches, hotel and school grounds. Ideal for collecting and burning leaves, waste paper, grass and weed cuttings. Length overall 6 ft., capacity 18 cubic feet. Wheels 2 1/2 in. tread, 20 in. diameter. Height 3 ft. 4 in. from ground to hopper. Rack 4 ft. long, 3 ft. wide at top, 3 ft. long by 2 ft. wide at bottom, 2 ft. deep. Weight 95 lbs. \$69.50.

Wire Leaf Rack



A practical device for transporting leaves, cut grass, and litter. Can be attached to any wheelbarrow having removable sides. Made of galvanized wire bolted to a wooden base. Capacity 10 bus. 7A 5277 Complete, \$31.50. 7A 5278 Rack only, \$15.

7A 5281 **Warren-Church Incinerator.** Fabricated of high-quality steel 1/8 in. thick. Seams are securely welded. Will outlast many ordinary Incinerators. Height 32 in.; diam. 18 in. Raised bottom. \$8.75.



7A 5282 Stump Incinerator



A well-made cement composition Incinerator for the home, country, or estate. Height 36 in., diameter 18 in. Strong steel grate. Side opening at bottom for draft and to easily remove ashes. Rustic bark finish. Approximate weight 200 lbs. \$28.50. Price includes crating; customer pays transportation.

Stump Bird Bath

7A 5952 Made of steel-reinforced concrete. Rustic finish. Harmonizes with natural surroundings. 25 in. high, 18 in. diameter. Weighs 100 lbs. \$21.50. Price includes crating; purchaser pays transportation.



Rustic Bird Bath

Made of steel-reinforced cement. 7A 5953 Natural rustic finish. Large compartment for water; smaller compartments for food. Diameter of bowl 20 in.; height 31 in.; weight 75 lbs. \$17. 7A 5954 In white birch finish. \$31. Price includes crating; Purchaser pays transportation.



Sawco Weathervanes



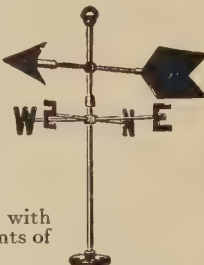
Made of non-corrosive cast bronze with cast aluminum, full relief figures. Finished in shadow black, bright brass upright, polished bronze letters. All Vanes are perfectly balanced and ball bearing. Roof plate, cast bronze, can be bent to any angle. 16 inches x 24 inches. \$12.50 each.

7A 5930—Sloop (as illustrated).

7A 5931—Peter Stuyvesant.

7A 5932—Horse and Carriage.

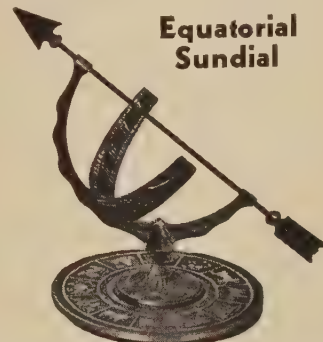
Warren-Church Weathervane



Lower price models with plain arrow figure and points of direction. Made of brass.

7A 5933 18 in. wide, 18 in. high, red.. \$6 50
7A 5934 24 in. wide, 24 in. high, red.. 9 50

Equatorial Sundial



7A 5937 The dignity of this exquisite creation lends itself to use in gardens and landscapes. 7 in. diam., 10 1/4 in. high. A beautiful and everlasting gift. Adds beauty to your garden. Hemisphere-like. Made of heavy cast bronze. Designed along the same lines as those used by the ancients. Signs of the Zodiac are cast in the metal base. \$17.50.

Sundials

Tell the time by the sun! Made of cast bronze, highly finished, and accurate.



Seven-inch diameter. With your choice of inscription, 7A 5938 "Time Takes All But Memories" or 7A 5939 "Grow Old Along With Me The Best Is Yet To Be." \$6.

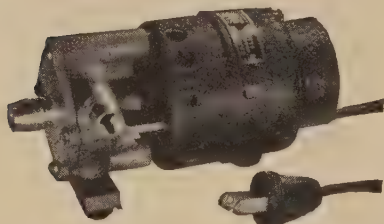
Nine-inch diameter. With your choice of inscription, 7A 5940 "Time Takes All But Memories" or 7A 5941 "Let Others Tell of Storms and Showers, I'll Only Mark Your Sunny Hours." \$9.50.

Diameter 10 1/2 in. With your choice of inscription, 7A 5942 "Time Takes All But Memories" or 7A 5943 "Let Others Tell of Storms and Showers I'll Only Mark Your Sunny Hours." \$11.50.

7A 5946 **Pedestal** for any of the above four Sundials \$17 each. Price includes crating. Customer pays transportation.

More Interesting Things for the Garden

Eastern Garden Pump



7A 5100 A compact, handy electric motor unit for fish-ponds, lily-ponds, and other small bodies of water. Specially constructed with intake and outlet for pumping the same water over and over again. \$37.50.



7A 5102 STIKIT WIKIT not only affords lasting protection but beautifies your lawn, garden and flower beds. Made of $\frac{3}{4}$ -in. hardened steel, enameled green, STIKIT WIKIT comes in convenient cartons of 2 doz., enough for an attractive 24-ft. fence. Individual Wickets 12 in. wide, 20 $\frac{1}{2}$ in. high, \$5.25 per carton delivered.

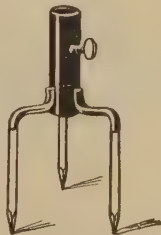
"Cado" Flo-Master Fountainbrush



Writes, marks, draws on any surface. Leakproof and flowproof; can be carried in the pocket. Satin finish aluminum. Ideal for marking wood labels and tools. Black ink, fadeproof and waterproof. 7A 5527 Pen complete with $\frac{1}{2}$ -oz. bottle of ink and 3 nibs, \$3.75. Extra ink. 7A 5528 4-oz. bottle 90 cts.; 7A 5529 pt. \$2.70.

Lawn Prong

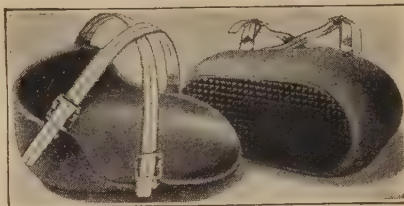
7A 5634 Made of steel; 3 sharp prongs 9 in. long, socket 8 in. long, 1 $\frac{1}{2}$ inch diam. with set screw for additional strength. Inserts into your lawn with body weight. Holds fast in the strongest winds. Ideal for lawn and beach umbrellas, badminton and tennis nets, portable lawn shower, to display the American flag, outdoor Christmas tree, lawn lights for parties and many other uses. Easily removable and set from place to place. \$3.98. Larger diameter sockets priced on request.



Aprons, Garden

7A 5895 Blue Denim. With Bib. \$2.50.

Kumfort Knee Pads



7A 5891 A comfort-giving knee-cushion with adjustable straps. Fits any knee; will not slip down when walking. Prevents moisture from penetrating the clothes and provides added life to work clothes. \$2 per pair.

Gardenade



7A 5894 Kneeling pad and a convenient rack for garden tools. Upright handles are designed to lower and lift yourself with a minimum of effort. Kneeling pad is made of soft sponge rubber. 14 inches long, 11 inches wide, 12 inches high. Tool box holds all the tools within your reach. Has many household advantages, such as cleaning floors, waxing and polishing. \$3.85.

Sawco Garden Gloves

Velvety smooth ivory-white leather with gauntlet. Ideal for gardening, motoring and household tasks.



7A 5104 Size 6.
7A 5105 Size 7.
7A 5106 Size 8.
\$2.25 per pair

Horsehide Gloves. Very strong for heavy garden work and pruning. 7A 5108 Size 10, 7A 5109 Size 11. \$2.50 per pair.

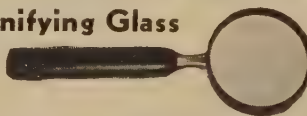
7A 5273

Maytex Fibre Broom

A rugged outdoor Broom for stables, garages, machine shops, and where heavy sweeping is desired. Made of palmetto fibre. Width at bottom 12 inches. Height to handle 14 inches. \$2.50.



Magnifying Glass



7A 5879 Very useful in insect and foliage study. Magnifies objects three times their size. Glass 2 $\frac{1}{2}$ inches in diameter; wood handle. Overall length 7 $\frac{1}{4}$ inches. \$1.50.

7A 5880 Firefly Illuminated Glass

(Not illustrated)

3-in. diameter lens, with a 7-in. focus. For studying bugs, and for reading at night. Bulb is built in. Complete with battery. \$4.50.

Coronet Flower Arranger.

Solid copper with copper-riveted lead base. Can be bent to fit any receptacle. Each holder fitted with double row of spiral copper sheet holes, adjustable for any angle. 7A 5881 $\frac{1}{4}$ -in. holes \$1. 7A 5882 $\frac{3}{8}$ -in. holes \$1.25.



Foot Scraper.

Little Dachshund adds a friendly touch to your door. He weighs 30 lbs. and is 22 in. over all. Solid cast iron; body velvet black, tongue red. \$9.90. Price includes packing. Customer pays transportation.



De-Moist

New discovery. Retards mold and mildew. Soaks up air moisture like a sponge. Checks damage from dampness. Does not drip. Can be used over and over again. Hangs up anywhere. 7A 6090 12-oz. size for closets, small rooms, food bins, trunks, etc. \$1.29. 7A 6091 50-oz. size for basements, large rooms, attics and laundries, \$4.95.

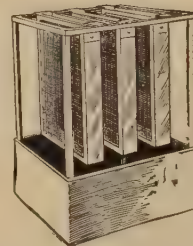


7A 6064

All-Metal Air Drying Unit

Keeps your cellar, victory garden storage room or any damp room free from excessive moisture. Halts rust, mildew, mold; eliminates dampness and mustiness. 18 in. high, 13 in. wide, 13 in. deep.

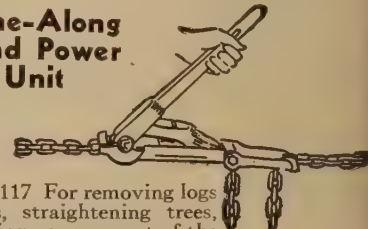
Complete for immediate use with 100 lbs. of Moisture-Absorbing Crystals—enough for over 6 mos., \$17.95. 7A 6095 Additional crystals, \$4.50 per 100 lbs.



7A 6101 Plasticrome

Post-war wonder cleaner and plastic preservative for chrome, brass, copper or any shiny metal surface interior or exterior. Dissolves rust, restores chrome. No. 1 bottle makes chrome shine and No. 2 keeps it looking fine. Use it on the car and in the home for many metal surfaces. Two-bottle kit 98 cts.

Come-Along Hand Power Unit



7A 5117 For removing logs stumps, straightening trees, or pulling your car out of the ditch. Equipped with 5 feet of $\frac{3}{8}$ -inch strong chain. Tested to 6000 pounds. Length of travel 47 inches. Weight 18 pounds. \$14.50.

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Tested, High Quality Dusts, Sprays and Chemicals

Insecticides and Fungicides listed herein over \$5 in value, with exception of 30- and 50-gal. drums, prepaid within 50 miles. If \$5 or less, or beyond 50 miles, customer pays transportation charges

THESE KILL INSECTS: the kind that chew—the kind that suck

9A 7507 ANT BAIT (Magi-Kil Jelly)



Clean, odorless and easy to use. Works satisfactorily indoors and outdoors.

Unusually effective because it contains Thallium Sulphate, which is tasteless to ants. The worker ants carry the jelly back to the nest, thus killing the queen and the entire colony.

For general applications use tubes. In the presence of children and pets, use traps.

Each	Each
Traps.....\$0 25	3-oz. tubes.....\$1 00
1-oz. tubes.....40	7½-oz. tubes...1 95

9A 7508 Ant Powder. Rids lawns and shrubbery of ants. Simply dust lightly around the infested areas. 3 ozs. 50 cts., lb. \$1.50.

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9A 7518 Borerkil. A preparation in jelly form for killing borers in stems. 2-oz. tube, \$1.

9A 7619 ROTENE



Non-poisonous, rotenone - thio - cyano - spray. Harmless to fruits, vegetables, and flowers, humans and animals. For chewing and sucking insects. A teaspoonful to 1 gal. water, 1 oz. to 8 gals. 4-oz. bottle \$1, pt. \$2.50, qt. \$4, gal. \$13.50.

9A 7517 Bordo - Mixture. (Dry Powder.) For fungous diseases. Use 5 tablespoonfuls to 1 gallon of water, 8 pounds to 50 gallons. Lb. 40 cts., 4 lbs. \$1.50, 24 lbs. \$8, 48 lbs. \$14.

9A 7535 2% Ceresan. For diseases on narcissus and bulbous iris. 1½ lbs. \$1.25, 25 lbs. \$16.09, 100 lbs. \$57.75.

9A 7542 New Improved Ceresan. For control of bunt or stinking smut of wheat, oats, barley and sorghums. One ounce treats 2 bushels of seed; 1 pound, 32 bushels. 4 ozs. 35 cts., lb. 90 cts., 4 lbs. \$3, 8 lbs. \$6, 40 lbs. \$26.40, 100 lbs. \$61.05.

9A 7542 Copper Sulphate, Crystal. Ingredient used in Bordo. For mildew and blight. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5, 100 lbs. \$15.

9A 7554 Du Pont F-531. A cadmium fungicide for the control of dollar spot on lawns and fine turfs. 4 lbs. \$6.75, 25 lbs. \$37.50, 100 lbs. \$140.

9A 7555 Fermate. Highly effective fungicide for most fruit trees, beans, tomatoes and celery. Use care; follow directions. 8 ozs. 75 cts., 3 lbs. \$3.75.

9A 7540 Chinchex. A combination of D.D.T., pyrethrum and tobacco dust for chinch-bug. Dust at the rate of 2½ lbs. per 1000 sq. ft. 5 lbs. \$3.50, 25 lbs. \$15, 100 lbs. \$45.

9A 7556 Fish-Oil Soap. For mild forms of scale and soft insects. 1 teaspoonful to 1 qt. of water, 1 lb. to 10 gals. Lb. 30 cts., 7½ lbs. \$2, 100 lbs. \$18.

9A 7560 GLADIOLUS THRIP SPRAY. (Powder.) Effective during growing season. Use 1 teaspoonful to 1 quart water, 1 pound to 10 gallons. Lb. 75 cts., 5 lbs. \$3.

9A 7561 GULF HOUSE SPRAY. A quick action household spray containing Pyrethrum and DDT. Kills mosquitoes, moths, ants, roaches and bed bugs. Pint 33 cts., qt. 55 cts., gal. \$1.75.

9A 7562 GULFSpray ROACH AND ANT KILLER. A fast acting, long lasting spray. Very effective against roaches and ants in and around the home. Do not use on vegetation. Contains 2% Chlordane and 1.9% Pyrethrins. Pint 59 cts., qt. 98 cts., gal. \$3.49.



9A 7563 HORTOX. The new rotenone contact and stomachic insecticidal dust combined with colloidal sulphur to preserve it and lengthen the period of insecticidal efficiency. Non-poisonous. For the control of many fungous diseases and chewing and sucking insects. A dust unsurpassed for its effectiveness. Contains 1 per cent rotenone. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

9A 7570 Loro. A thiocyanate contact insecticide for red spider and other mites, lace-bug, mealy bug and white fly. Pt. \$2.50, gal. \$13.50.

9A 7572 Magnesium Arsenate. For the Mexican bean beetle. 6 teaspoonfuls to 1 gal. water, 2 lbs. to 100 gals. 2 lbs. 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.

9A 7631 SENOLED. A compound of lead arsenate and plant-food for grub-proofing lawns and gardens. Destroys Japanese beetles and earthworms. Broadcast at the rate of 3 pounds to 125 square feet, 25 pounds to 1000 square feet; double these quantities for the garden. 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Don't Experiment—We've Done That For You!

At our Farmingdale Trial Grounds we test many compounds offered to the gardener and farmer. On the basis of efficiency we believe the preparations on these pages to be the most reliable, and we recommend them to you. Consult your County Agent, Experiment Station or State Agricultural College on this also.

To avoid damage to plants we advise that the manufacturer's directions on the container be followed exactly—most important in the case of selective weed-killers, dormant sprays used late, and fumigants.

Extreme care should be exercised in the storage and use of poisons.

Fungous Controls and Plant Disinfectants

9A 7612 Rose Dust. (du Pont.) Contains Fermate for black-spot, mildew and rust. Also can be used on carnations and snapdragons, as a dust or spray. Lb. \$1, 4 lbs. \$3, 25 lbs. \$15.

9A 7642 Spergon. A non-poisonous yellow powder for treating seeds against damping-off. Stimulates root-growth and produces healthy, vigorous seedlings. Oz. 25 cts. 5 ozs. \$1, lb. \$2.25.

9A 7644 Sulphur, Dusting. 100 per cent pure sublimed. For mildew and rust on most plants. Use as a dust only. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$4.50, 100 lbs. \$15.

9A 7646 Sulphur, Wettable. For black-spot and mildew. Can be used as a dust or spray. Use 4 teaspoonfuls to 1 gallon of water, 8 pounds to 100 gallons. Lb. 35 cts., 5 lbs. \$1.50.

9A 7647 Tersan. Brown-patch fungicide. 8 ozs. 80 cts., 4 lbs. \$5.16, 25 lbs. \$30, 100 lbs. \$115.

9A 7601 Paris Green. For chewing insects. Ingredient used in bran base. ¼lb. 20 cts., ½lb. 40 cts., lb. 65 cts., 5 lbs. \$3.

9A 7623 Sawco - Japy. (Japanese Beetle Milky Disease Spores.) Bacteria destroys the grub of the Japanese beetle, which injures turf and gardens. One pound mixed with 2 pounds of sand or soil treats 4000 sq. ft. ½lb. \$2.75, lb. \$5.



9A 7634 SYNDEET (DDT Liquid Spray)

An improved insecticide containing 30% DDT. It will control aphids, thrips, and European red mites and, in addition, all potato insects, codling moth, Japanese beetles, boxwood miners and other insects controlled by DDT. Eight ounces will make 48 to 72 gallons of spray, as directed on the container. ¼pt. \$1, qt. \$3.

9A 7656 Tree Tanglefoot. A paste; traps crawling insects, gipsy moth, cankerworm, etc. Effective three to four months. One pound covers 18 feet 2 inches wide. For orchards, vineyards, and shade trees. Lb. 90 cts., 10 lbs. \$7.50, 25 lbs. \$16.

9A 7663 Volck Oil Spray. For outside use against mealy bugs, scale, red spiders, white flies. Dilute 5 tablespoonfuls to a gallon of water. Pt. 50 cts., gal. \$2.25, 5 gals. \$8.50.

SYNKLOK

New Chlordane Insecticide, for a fast, effective kill of Japanese beetle, Ants and Chinch-bugs. Also recommended for most garden and home pests.

9A 7635 Synklor-50-W-Wettable Powder. 8-ozs. \$1.50, lb. \$2.50, 5-lbs. \$8, 10 lbs. \$15.50, 100 lbs. \$126.

9A 7636 Synklor-48-E-Liquid Emulsion. ½pt. bottle \$1.25, 1-qt. bottle \$4, 1-gal. can \$13.60.

9A 7651 TOBACCO DUST, Kilmdead. Clings to the foliage, killing soft-bodied insects. Controls Chinch-bugs. Use 1 pound per 100 square feet. Lb. 35 cts., 5 lbs. \$1, 25 lbs. \$2.50, 100 lbs. \$6.

9A 7606 Phygon X. L. Powder. Wettable. A fungicidal spray for control of black-spot on roses, apple scab, tomato, azalea and bean blight. 2 ozs. 50 cts., 4½ ozs. \$1, lb. \$2.70.

9A 7627 Semesan Jr. A dust disinfectant for seed corn. Use 4 level tablespoonfuls to 1 bushel, 1 pound to 8 bushels. 12 ozs. 62 cts., 25 lbs. \$13.85, 100 lbs. \$49.95.

9A 7628 Semesan Bel. For scab and rhizoctonia on potatoes. Use 1 level tablespoonful to 2½ bushels, 1 pound to 60 bushels. Also for gladiolus corn rot. Soak 7 hours in 2 level teaspoonfuls to a gallon of water. 2 ozs. 35 cts., lb. \$1.83, 4 lbs. \$6.33, 40 lbs. \$59, 100 lbs. \$138.75.

9A 7625 Semesan. (Regular.) A mercurial disinfectant for vegetable and flower seeds or bulbs, to protect against root-rot and damping-off. Use a pinch to a packet of seed, ½ teaspoonful to 1 pound of seed. 2 ozs. 45 cts., 12 ozs. \$2.10, 4 lbs. \$10.10, 25 lbs. \$58.28, 100 lbs. \$219.80.

9A 7626 Semesan. (Special.) Organic mercury compound for controlling brown-patch. Lb. \$2, 4 lbs. \$6.92, 25 lbs. \$39.96, 100 lbs. \$149.85.

to Protect Your Vegetables, Fruit and Flowers

These Control Both Insects and Fungi

- 9A 7521 **Calomel**. For root maggot on cabbage, cauliflower, and broccoli, also gladiolus scab and neck rot. Treat seed and plants by dust or liquid method. Oz. 75 cts., $\frac{1}{2}$ lb. \$2, lb. \$5.
- 9A 7544 **Corrosive Sublimite** (Bichloride of Mercury). For potatoes, brown patch on lawns, earthworms, and gladiolus thrip. Oz. 75 cts., $\frac{1}{2}$ lb. \$2, lb. \$5.
- 9A 7559 **Floral Dust, Du Pont**. Contains rotenone, methoxychlor, Fermate and sulphur. An excellent dust for roses, carnations, mums. Controls blight, scab and leaf spot as well as sucking and chewing insects. Lb. \$1.15, 4 lbs. \$3.50.
- 9A 7557 **Garden Dust, Du Pont**. A powder. Contains DDT, rotenone, Fermate and Zerlate. A combination that controls sucking and chewing insects as well as fungous diseases. Lb. \$1.15, 4 lbs. \$3.50.
- 9A 7566 **Knox Out Dust**. A multi-purpose garden dust. Combination insecticide and fungicide for general use in the garden. Contains 5% DDT, also Krysocide and copper. Lb. 30 cts., 3 lbs. 75 cts.

9A 7605 PESTMASTER

3-in-1 Rose Treatment

No More Messy Mixing!
Easy — Economical — Resultful



Try this new, easy way to lovelier, longer lasting blooms. Contains everything you need for insect and fungous control on roses, azaleas, peonies, other flowers and ornamentals. Contains DDT, rotenone, copper and sulphur, all blended into one formula for easy mixing . . . you just add water. **KILLS** rose chafers, Jap beetles, aphids, red spider; **CONTROLS** black-spot, leaf rust, powdery

mildew. 1-lb. can makes 64 quarts of spray, enough for season's treatment of 24 to 40 plants at cost of only 6c per plant

1-lb. can. \$1 75

- 9A 7643 **Spergon-Gladiolus Dust**. Contains spergon and 3% DDT. May be applied to corms before planting or after digging in the fall to control rot and thrips. May also be used on tulips, narcissus and iris. 2 ozs. 25 cts., lb. \$1.50, 10 lbs. \$10.75.

DORMANT SPRAYS

for Winter Use

- 9A 7567 **Lime-Sulphur, Dry**. For San José scale, peach-leaf curl, and blister mite. Use 3 level tablespoonfuls to 1 quart of water or 12 pounds to 50 gallons of water. For summer spraying against apple and pear scab, use slightly less than half of the above quantities. Lb. 60 cts., 5 lbs. \$2, 25 lbs. \$7.50.
- 9A 7568 **Lime-Sulphur (Liquid)**. For San José scale and apple scab. Use 4 tablespoonfuls to 1 quart of water, 1 gallon to 9 gallons of water when plants are dormant. Qt. 50 cts., gal. \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.
- 9A 7621 **Scalecide**. A dormant oil spray. Use on fruit trees, shrubs, and many other plants. Apply at the rate of 2 tablespoonfuls to 1 quart of water, 1 gallon to 15 gallons of water. Qt. \$1, gal. \$2.40, 5 gals. \$8.10, 30 gals. \$30.50, 55 gals. \$45.

Tree Surgery and Pruning Aids

- 9A 7653 **Grafting Wax**. Used for grafting, budding top-working, etc., of all trees. $\frac{1}{2}$ lb. 25 cts., $\frac{1}{4}$ lb. 40 cts., lb. 75 cts.
- 9A 7654 **Tree Cavity Fill**. Add water to make it plastic. Lb. 75 cts., 5 lbs. \$2.50, 25 lbs. \$10.
- 9A 7655 **Tree Wound Paint**. Prevents decay. Penetrating, antiseptic; not affected by heat, cold, or moisture. Stops bleeding. Use it in conjunction with Tree Cavity Fill. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7.

FUMIGANTS

Materials that kill or repel with lethal gas or irritating fumes

- 9A 7502 **Aerosect Bomb**. Non-poisonous to humans and pets. Will not contaminate food. Kills moths, flies, roaches, etc. Non-inflammable. Will treat 100 average rooms. \$3.98. Refillable when returned for \$2.35.
- 9A 7503 **Aerosol Insecticide Dispenser**. Contains the famous DDT formula combined with pyrethrum and Freon gas. Kills flies, mosquitoes, ants, bedbugs, roaches, waterbugs, silverfish. 12 oz. dispenser \$1.45.
- 9A 7513 **Benzofume**. Contains $7\frac{1}{2}\%$ azo-benzene. Combines a control for red spider and certain mealy bugs. Use 1 oz. for each 700 cu. ft. of air space. $\frac{1}{2}$ lb. 50 cts., lb. 90 cts.
- 9A 7523 **Carbon Disulphide**. Poisonous and explosive. For ants in lawns and walks. Apply to ant-hills with funnel. A tablespoonful to each ant-hill. 1-lb. can 75 cts., 5 lbs. \$3.
- 9A 7553 **D-D Soil Fumigant**. A new soil fumigant for root-knot nematodes, wireworms and other soil-borne pests. Can be used either indoors or outdoors. Pt. \$1, qt. \$1.75, gal. \$5.85, 5 gals. \$21.60. Applicator extra for pt. and qt. sizes, \$2.75; other sizes, \$15.
- 9A 7548 **Cyanogas Ant Killer**. A powder that flows freely. Use outdoors only. Simply insert spout of can and pour into ant-hill. Cover hole. 4-oz. can 40 cts., \$4.40 per doz.
- 9A 7549 **Cyanogas A Dust**. Gas kills ants, rats, moles, and woodchucks. Use outdoors only. The Admiral Dust Gun shown on page 107 is recommended for applying this. Lb. 98 cts., 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30. Foot Pump for large users, \$11.50.
- 9A 7550 **Cyanogas G Fumigant**. Generates deadly hydrocyanic acid gas. Controls aphids, thrips, white fly. Scatter on greenhouse walks and close the house for the night. 5 lbs. \$2.75, 25 lbs. \$12.50, 100 lbs. \$30.
- 9A 7593 **Naphthalene Flakes**. For gladiolus thrips. Mix 1 ounce to 100 corms when storing. Also dust when planting. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$5.50, 100 lbs. \$18.
- 9A 7595 **Nico-Fume Powder**. 1-lb. can fumigates 25,000 cubic feet. $\frac{1}{2}$ lb. 60 cts., lb. \$1.10.
- 9A 7603 **Para-Dichlorobenzene**. For peach borer attacking trees four years and older. One ounce for each tree. Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.
- 9A 7461 **Tobacco Stems**. For fumigating and placing under benches. High nicotine content. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50.

Rodent and Worm Killers

They control rats, moles, earthworms, cutworms, slugs, sowbugs, flies and mosquitoes

- 9A 7565 **Kilmice**. Tasty impregnated seed bait; poisonous. Quickly destroys mice in house or garden. $2\frac{1}{2}$ ozs. 25 cts., 12 ozs. \$1.
- 9A 7591 **Mouse-Notes**. A meaty, easily hulled, treated seed bait which appeals to the taste of mice. Pkg. of 9 "notes" 25 cts., 50 "notes" \$1.
- 9A 7574 **Molefume**. A non-poisonous cartridge that liberates a deadly smoke. Very effective against moles, rats, gophers, woodchucks, hornets and wasps. Non-injurious to vegetation. Harmless to humans and pets. Use one cartridge every 15 to 25 feet. Box of 6 cartridges \$1.50, 5 boxes \$7, 10 boxes \$13.
- 9A 7575 **Mole-Notes**. Sure death to bulb-eating, root-destroying moles. Pkg. of 8 "notes" 35 cts., 50 for \$1, 120 for \$2.
- 9A 7633 **Snarol**. Contains meta powder. Non-injurious to vegetation. It kills cutworms, snails slugs, sowbugs, earwigs. Lb. 35 cts., $2\frac{1}{2}$ lbs. 75 cts., 6 lbs. \$1.50, 50 lbs. \$10.
- 9A 7607 **Rat-Notes**. Non-poisonous squill bait. Rats are attracted to their odor. Pkg. containing 9 "notes" 25 cts., 50 "notes" \$1.
- 9A 7608 **Rat-Not Paste**. Poison. Contains 5% Antu; new wartime rat killer. 1-oz. 35 cts.
- 9A 7609 **Rat-Tu**. Poison rat killer. Contains 25% Antu. Can be used for either baiting or tracking. Very effective. $1\frac{1}{2}$ -oz. pkg. 60 cts.
- 9A 7661 **Vermol**. For earthworms in lawns. Will not injure the grass, but has in fact definite value as a grass food. Apply $\frac{1}{2}$ lb. per square yard and flood the turf with an abundance of water. Best results are obtained on warm, damp days. 5 lbs. \$1.50, 25 lbs. \$6, 100 lbs. \$10.

WEED KILLERS

9A 7649

TAT C-LECT Kills Crabgrass

Without Harming Turf!



Kill crabgrass selectively. Merely spray on TAT C-Lect; an effective fungicide, too. Quick-est crab grass control when applied early to seedlings. Four teaspoonfuls to a gallon of water over 100 sq. ft. 8-oz. bottle 85 cts., 16 ozs. \$1.50, gal. \$9.75.

9A 7505 AMMATE Kills Poison Ivy

One Application Does the Job!

Use 1 lb. per gal. of water sprayed over 100 sq. ft.

Makes it easy to kill poison ivy for keeps. Just mix with water and spray on. Kills foliage, roots and all. Kills poison oak and sumac. 2 lbs. 85 cts., 6 lbs. \$2.25, 50 lbs. \$13.50, 350 lbs. \$73.50.



- 9A 7659 **TUFOR**. A concentrated 2-4-D selective weed killer. Four ounces treats 3,250 sq. ft. of lawn to control dandelions, plantain and other unsightly weeds. Also controls poison ivy, honeysuckle and many other noxious weeds.
- 4-oz. bottle. \$1 00
1-pt. bottle. 2 00
1-qt. bottle. 3 50
Gal. 8 75

- 9A 7599 **NOXWEED**. Kills all Vegetation. Contains sodium arsenite. Applied by watering can, sprayer or sprinkling barrel. Harmless to stone, woodwork, or shoes. One gal. diluted 1 part to 40 of water covers 100 to 150 sq. yds. Qt. 85 cts., gal. \$2.50, 5 gals. \$10, 10 gals. \$18.50, 30 gals. \$40.50, 55 gals. \$65.

- 9A 7638 **Sodium Arsenite**. Most effective on plantains, dandelions and chickweed. Applications of from 2 to 8 ounces to 1000 square feet have been effective without injury to the grass. Lb. 50 cts., 5 lbs. \$2, 50 lbs. \$10.50, 100 lbs. \$20.
- 9A 7658 **2-4-D Weed Killer, Du Pont**. Liquid. 8-oz. can \$1.
- 9A 7668 **Weedone**. A liquid 2-4-D Weed Killer for dandelions, plantains, and many other weeds in the lawn. 6 ozs. 75 cts., qt. \$2.50, gal. \$6.50.
- 9A 7669 **Weedust**. Powder 2-4-D Weed Killer for dandelions, plantains, etc. Effective for scattered weeds. Simply dust on. 12-oz. 75 cts.

Miscellaneous Helps

- 9A 7519 **Calcium Chloride**. Used on paths, driveways, tennis courts, playing-fields. Keeps down dust and weeds. Use one pound per 10 square feet. 100 lbs. \$4.50, 500 lbs. \$20.
- 9A 7522 **Carbola**. Disinfectant powder containing DDT. For soil treatment and insect control, use one pound to 50 sq. ft. Removes odors in poultry houses, dairies and hog pens. Lb. 30 cts., 5 lbs. 85 cts., 25 lbs. \$2.50.
- Cartridges for Sawco Hose Sprayer Gun**
- 9A 7525 **Arsenate of Lead** 9A 7527 **DDT**
9A 7526 **Bordeaux** 9A 7529 **Sulphur**
9A 7528 **Pyrethrum-Rotenone**
9A 7530 **Weed-O-Spray (2-4-D)**
35 cts. each, \$4 per doz.

- 9A 7531 **Gun**. Fits $\frac{3}{4}$ -in. garden Hose. \$4.50.
- 9A 7533 **Casein Spreader**. A milk product. Recommended as a spreader for Arsenate of Lead, Bordo-Mixture, etc. 2-lb. pkg. 60 cts.
- 9A 7538 **Chaperone**. (Liquid.) Spray hedges, garbages, etc. if you want to keep dogs and cats away. 4 ozs. 60 cts., 12 ozs. \$1.25.
- 9A 7546 **Crow Repellent**. Seed-preserver for corn. Small can, enough for 1 bus., 60 cts.; large can, enough for 2 bus., \$1.

FERTILIZERS, MANURES, SOIL INGREDIENTS

8A 7417 Economy Fertilizer. A low-price Mixture with a high analysis (5-10-5). Contains the chemical ingredients for the proper growth of all plants. Good where quick results are needed, rather than a long-lasting plant-food. Will grow succulent vegetables and good flowers. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.60, 100 lbs. \$4.25.

8A 7418 Adco. The speedy compost maker. Add it to garden refuse, leaves, grass clippings to hasten decomposition. 7½ lbs. \$1.25, 25 lbs. \$2.50, 150 lbs. \$12.

8A 7419 Aluminum Sulphate. Makes soil acid; much used for rhododendrons and similar plants. Not a fertilizer. Follow with an application of Sawco Acidulous Fertilizer. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

8A 7420 Ashes, Hardwood. Furnish potash. Use 10 pounds per 100-foot row. 5 lbs. 60 cts., 25 lbs. \$2, 100 lbs. \$6.

8A 7421 Blood, Dried. Adds nitrogen and a small amount of phosphorus. Used for greenhouse plants. Acts quickly. 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

8A 7423 Bloomlife. Makes cut-flowers stay fresh. Family size pkg. (makes 26 qts.) \$1.

8A 7425 Bonemeal. Mixed fine and coarse. Recommended for the garden and for lawns. It is quick to give results, yet the benefits are lasting. The standard food for roses. Use 2000 pounds per acre or 5 pounds to the 100 square feet dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$45, ton \$80.

8A 7426 Bone, Vineyard. ¼ to ½-inch pieces. For grape-vines and fruit trees. 25 lbs. \$3, 100 lbs. \$8.

8A 7428 Cattle Manure, Shredded. A soil-builder and mulch that is recommended for crops in hot, sandy soils. Ideal for perennial beds. 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$27.50.

8A 7429 Charcoal. Sweetens and lightens sour and heavy land. Use 5 pounds per 100 square feet. 50 lbs. \$3, 100 lbs. \$5.

8A 7431 Cottonseed Meal. An excellent organic plant-food with high amount of nitrogen. For fine lawns and all acid-loving plants. 5 lbs. \$1, 25 lbs. \$3.50.

8A 7434 Gypsum. Widely used as a dusting on manure piles to fix and hold nitrogen. Furnishes lime to the land without an alkaline reaction. 100 lbs. \$3.50.

8A 7435 Hyponex. A complete balanced all-soluble plant-food. 7 ozs. 50 cts., lb. \$1, 10 lbs. \$8, 25 lbs. \$15, 100 lbs. \$40.

Legume-Aid Seed Inoculant

Bushel size 50 cts., 2½-bus. size \$1, 100-lb. size 50 cts. **8A 7442 Garden pkt.** (treats up to 5 lbs. of garden peas, sweet peas, lima beans and lupines) 10 cts. On all sizes other than the garden packet, please specify seed to be inoculated. Group **8A 7438, Alfalfa, Clovers.** **8A 7439, Lespedeza, Cowpeas, Lima Beans, Peanuts.** **8A 7440, Vetches, Field Peas, Garden Peas.** **8A 7441, Soybeans.**

8A 7445 Lime, Agricultural Hydrated. Corrects acid conditions of the soil, and is a plant-food. Binds loose soils and, curiously enough, opens heavy land. Quick acting. Specially prepared for horticultural purposes. As a winter dressing broadcast 1 ton to the acre or 5 pounds per 100 square feet. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$2.75, 500 lbs. \$12.

8A 7446 Limestone, Pulverized. 10 lbs. 50 cts., 100-lb. bag \$2, 5 bags \$9.50.

8A 7447 Muriate of Potash. For potatoes and root-crops. Use 1½ pounds per 100 square feet. 5 lbs. 60 cts., 25 lbs. \$2, 100 lbs. \$6.



8A 7448 Nitrate of Soda. Nitrogen in available form for lettuce and other leafy vegetables. Use 1 ounce to a gallon of water as liquid or 1½ ounces to a square yard dry. Lb. 25 cts., 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

8A 7449 STIM-U-PLANT. Plant-food in tablets. Ideal for pot-plants and where food is required quickly. 30 tablets 35 cts., 100-tablet pkg. \$1, 1000-tablet pkg. \$5.

8A 7450 Salt, Agricultural. For asparagus beds. 100 lbs. \$3.25, 500 lbs. \$11.

8A 7452 Sand. Steamed; Sterilized. For seeds, cuttings, etc. 25 lbs. \$1, 100 lbs. \$3.

8A 7453 Sheep Manure. Use in the vegetable and flower-garden, also as liquid manure; 5 pounds per 100 square feet, 2000 pounds per acre. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

8A 7455 Sulphate of Ammonia. For lawns, use 1 oz. per square yard, mixed with several times its bulk of soil. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.

8A 7457 Super-Phosphate. Use freely. Supplies valuable phosphoric acid. 5 pounds per 100 square feet, one ton per acre. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, 500 lbs. \$13.50.

8A 7460 Tankage. (Blood and Bone.) Contains 9% nitrogen, also some phosphoric acid and potash. 100 lbs. \$8.50.

Humus, Peat Moss, etc.

8A 7462 Mulch-o-Nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$27.50.

8A 7463 Humus. Soil ingredient, improving its texture, increasing its water-holding properties. For renovating old lawns. 50 pounds to 100 square feet. Double this quantity for making new lawns. 10 lbs. 50 cts., 50 lbs. \$1.50, 100 lbs. \$2.50, 500 lbs. \$12, ton \$35.

8A 7464 Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. 100 lbs. \$3.50, 500 lbs. \$15.

8A 7465 Moss, Dry Sphagnum. Bale \$6.

8A 7466 Peat, Osmundi. For orchids. Bag \$6.

8A 7467 Peat Moss, American. A sedge Peat superior to imported. For winter mulching of rose-beds, perennials, shrubs. Use when making new lawns. 100 lbs. \$4, 500 lbs. \$18.50, 1000 lbs. \$35.

8A 7468 Peat Moss, Imported. In bales (approx. 17 bus.) \$6, 5 bales \$28.75, 10 bales \$55. Carton (2 bus.) \$1.50.

8A 7459 Tan Bark, Spent. For bridle-paths, garden-paths and around rock-gardens. 100 lbs. \$5, 500 lbs. \$23.50, ton \$80.

8A 7461 Tobacco Stems. Excellent as a mulch; deters soil insects. Use 25 pounds per 100 square feet. Bale (about 100 lbs.) \$4.50, 5 bales \$18.50.

8A 7471 Vermiculite Mica-Gro B-3

A natural mineral one-tenth the weight of sand or soil. Sterile, inert, retains water. Will not permit fungus or algae growth. It insures full benefit from hormones, vitamins and nutrient solutions. Useful in the germinating and starting of seeds. Helps to avoid damping-off and soil-borne diseases. Add 25 to 50 percent to soil for potting. Use it around the roots of newly planted trees and shrubs. Holds moisture even during protracted dry spells. 4 qts. 50 cts., ½bus. \$1, 2-cubic-foot bags (weight about 20 pounds) \$2.

Root-Forming Chemicals Hormones

HORMODIN "B" POWDER. In three strengths for the rooting of cuttings.

8A 7473 For most house and greenhouse plants such as carnations, chrysanthemums, roses, poinsettia, etc. Pkt. 25 cts., 1¼-oz. jar 50 cts., lb. \$3.

8A 7475 For shrub cuttings. 1¼-oz. jar 75 cts., lb. \$4.50.

8A 7476 For cuttings of evergreens and hardwood trees, and also bulbs. 1-oz. jar \$1, ½lb. \$4.50.

8A 7477 Combination package of above three Hormodin Powders, 1 oz. complete, 75 cts.

8A 7480 Rootone. A hormone powder for cuttings, seeds, tubers and bulbs. Simply dust seeds or cuttings. Also ideal for dusting grass seed, giving a quicker and heavier stand of grass. 2-oz. jar \$1, lb. \$5.

8A 7481 Fruitone. Prevents premature dropping of apples and pears. Excellent for setting better crops of tomatoes and beans. 2 oz. can \$1, 12 ozs. \$5.

8A 7482 Transplantone. For stimulating roots when transplanting plants, trees and shrubs. Reduces wilt. 3-oz. can \$1, lb. \$4.

8A 7483 No-Seed. A plant-hormone spray that develops near-seedless Tomatoes. 4 ozs. \$1, pint \$2.50.

Sawco Prize-Winner Fertilizer

For the Greenhouse
and Garden

We asked a leading fertilizer manufacturer what he would use to produce prize-winning Roses, Chrysanthemums, Pelargoniums, Cinerarias and other flowers; prize-winning vegetables and fruits regardless of the scarcity of ingredients or their cost.

He came up with this 7-12-4 Formula, which "will grow hair on a billiard ball," to use his words. It contains blood, bone, tankage, and other wonder-working organic materials, for lasting effect; along with basic slag, nitrate, sulphate of ammonia and of potash, etc. for immediate results. The whole finely screened. A pure, high quality product, well worth its cost.

Mix 5 pounds to a wheelbarrow of soil; outdoors dig under $\frac{1}{4}$ lb. to each 10 sq. ft. Side-dress during growth every two weeks. 5 lbs. \$1.25, 10 lbs. \$2, 25 lbs. \$4.50, 50 lbs. \$8, 100 lbs. \$15.

SAWCO

General Garden Fertilizer

acres or 3 ounces to the square yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, peonies, etc. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$45, ton \$80.

SAWCO

Acidulous Fertilizer

worked into the soil. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$45, ton \$80.

SAWCO

Dahlia Food

worked into the soil. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$45, ton \$80.

SAWCO

NIKOFOOD A Tobacco Fertilizer

applied several times a year to produce a healthy deep green turf. Insects dislike tobacco, the chief ingredient, and the use of Nikofood is advised as a partial protection against chinch bug. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$37.50, ton \$65.

SAWCO

TREEWIZ

Cartridges (4 to a box), \$1 per box.
Bulk Material: 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$25.

8A 7409 Over 30 lbs. of natural organic materials in each 100 lbs. For vegetables, flowers and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1000 pounds to the

8A 7412 25% of the nitrogen is from organic sources. Rich in potash; contains sufficient nitrogen and phosphoric acid to give best results. Mix a handful with the soil before setting tubers and later top-dress with liberal applications

8A 7410 25% of the nitrogen is from organic sources. Rich in potash; contains sufficient nitrogen and phosphoric acid to give best results. Mix a handful with the soil before setting tubers and later top-dress with liberal applications

8A 7407 All-organic. Contains every plant-food element required for growth in a slowly available form, especially potash. Recommended for all garden use, especially as a top-dressing for lawns. 50 lbs. per 1000 square feet may be

8A 7406 A slowly available, high-analysis tree- and shrub-food in either cartridge or bulk form. 25% of the nitrogen is from organic sources. Use Tree Augur (see Implement Section) for application.

8A 7403 For lawns and golf putting-greens. A well-balanced formula of purest ingredients, designed to feed grasses and to keep them in a healthy condition. When building a lawn, from 1 ton to $1\frac{1}{2}$ tons per acre (Minimum 50 pounds per 1000 square feet) should be harrowed or raked into the upper surface. Every spring and early autumn existing lawns may be given a dressing of 500 to 1000 pounds per acre (20 pounds per 1000 square feet); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. Over 30 lbs. of natural organic materials in each 100 lbs. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$45, ton \$80.

8A 7411 100% organic plant-food containing peat-moss, cow-manure, and poultry manure, air-dried. Feeds plants and builds soil. Free from weed seed. For lawns and gardens. Use 25 pounds or more per 1000 square feet, one-half ton or more per acre, for existing grass, and from 50 pounds to 100 pounds per 1000 square feet when preparing land for seed. For vegetables, and flowers, use 100 pounds per 1000 square feet. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$37.50, ton \$65.

8A 7404 20% of the nitrogen is from organic sources. Made of specially compounded ingredients for the proper growth of roses. For new plantings, use two trowelfuls of Sawco Rose Food thoroughly mixed with the soil. For established plantings a liberal dusting every few weeks recommended. Work into the soil with rake or hoe. 5 lbs. 60 cts., 10 lbs. \$1, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6, 500 lbs. \$25, 1000 lbs. \$45, ton \$80.

8A 7413 To fine screened soil, we add mushroom manure, humus and sand. The resulting mixture is excellent for top-dressing lawns, allowing 500 lbs. or more per 1000 square feet. Ideal for filling window-boxes, flower pots, greenhouse benches and for city gardens. In bags, 5 lbs. 25 cts., 25 lbs. \$1, 100 lbs. \$3, 500 lbs. \$13.50, ton \$35. In bulk, three tons (minimum quantity), \$14.50 per ton; 4 to 9 tons, \$13 per ton; over 10 tons, \$11.75 per ton.

8A 7416 A complete plant-food containing the big four, and in addition twelve of the minor or trace elements. Dissolve one teaspoonful in one gallon of water, apply to the roots once a week and at transplanting time. Ideal for house plants; in the garden; for your lawn. Gives seedlings and shrubs a boost for rapid growth. Lb. \$1, 15 lbs. \$9, 35 lbs. \$21, 100 lbs. \$55. The trace elements give you more nutritive vegetables and fruits.

SAWCO

Emerald Grass Fertilizer

SAWCO

SAWCONURE

SAWCO

Rose Food

SAWCO

SAWCOSOIL A Fortified Topsoil

Trace-L
THE BALANCED
PLANT FOOD

THE TRACE ELEMENTS

Plants need the "big four" chemical elements—lime, nitrogen, phosphorus and potash. In addition, they must have the "trace" elements, also essential for normal growth, but required only in small (or trace) amounts. They include magnesium, sodium, sulphur, iron, manganese and many others. There are enough trace elements in most fertile soils, but the short supply of one or more of them may account for sickly, stunted plants.

Shortage of trace elements means "hidden hunger." Hidden hunger affects plants in many different ways such as by fired corn, tomato blight and die-back.

One way to add trace elements is to use organic manures like Bonemeal and Sawco Fertilizers, which contain a high proportion of organic ingredients mixed with the "big four" chemicals. A second way is to water your plants with a solution of Trace-L offered above.

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